FEDERAL ITEM IDENTIFICATION GUIDE

BRAKES AND BRAKE COMPONENTS

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Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGW OVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

[Page Break]

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
ADJUSTER, SLACK, BRAKE	10090	KA

A device used in an air or vacuum brake system of a vehicle to eliminate the looseness in the linkage when brake lining-wear occurs.

Brake

1. A device by which the motion of any mechanism, as a vehicle, hoist, or engine is retarded or arrested.

BRAKE DRUM	11298	EA

A circular shaped metal item designed to be connected to a machine or vehicle shaft or wheel and used to retard, stop or prevent motion by the application of pressure exerted by brake(s) or band(s).

BRAKE (1), DUAL DISK	09192	BA

A brake consisting essentially of the following:

a. A single piece or divided cylinder housing designed to be mounted on the torque flange of an axle. The cylinder housing has a slot or groove through which the DISK, BRAKE passes. It contains a piston(s) or push rod(s) which provides the hydraulic or mechanical force to press the LINING, FRICTION against the DISK, BRAKE.

b. LINING, FRICTION

c. Two DISK, BRAKE designed to be keyed or rigidly attached to a wheel or rotating shaft.

BRAKE, ELECTRIC	00233	AA

A device operated by electromechanical means which functions to bring to rest mechanically and/or hold at rest a load.

BRAKE (1), EXPANDER TUBE	09194	BB

A brake consisting essentially of the following:

a. A frame designed to fit over and be attached to the torque flange of the axle, and having provisions for housing an expander tube and brake blocks.

b. An expander tube which is a flat rubber tube designed to be filled with brake fluid and thereby force brake blocks against the brake drum.

c. Brake blocks which may be cemented to the expander tube or fitted into the frame above the expander tube.

Approved Item Name	INC	App Key
BRAKE LINING KIT	15776	DA

A collection of items consisting of brake linings of specific size(s) together with rivets and/or bolts for fastening the lining to the original brake shoes. Excludes brake shoe kits containing the assembled brake shoes complete with linings, and also brake lining packaged in sheets or rolls.

BRAKE (1), MULTIPLE DISK	09195	BC

A brake consisting essentially of the following:

a. A brake anchor bracket, also called a carrier assembly, which is the basic unit of the brake. It is designed to be attached to the torque flange of the axle and is also the part upon which the other components of the brake are assembled.

b. A floating hydraulically actuated annular piston, or an equivalent mechanical device, used for applying braking pressure.

c. Metallic disks keyed to rotate with the wheel alternated with nonrotating disks keyed to the anchor bracket. See also BRAKE, SEGMENTED ROTOR.

BRAKE (1), SEGMENTED ROTOR	09196	BD

A brake consisting essentially of the following:

a. A brake anchor bracket, also called a carrier assembly, which is the basic unit of the brake. It is designed to be attached to the torque flange of the axle and is also the part upon which the other components of the brake are assembled.

b. A floating hydraulically actuated annular piston, or an equivalent mechanical device, used for applying braking pressure.

c. Segments of brake lining attached to the nonrotating disks.

BRAKE (1), SHOE TYPE	09197	BE

A brake consisting essentially of the following:

a. A torque spider which is a disk-like metal part designed to fit over and be attached to the torque flange of the axle.

b. One or more brake shoes with brake lining attached.

c. A hydraulic cylinder(s) or mechanical linkage to provide the force by which the brake shoe is pressed against the brake drum.

Approved Item Name	INC	App Key
BRAKE (1), SINGLE DISK	09193	BA

A brake consisting essentially of the following:

a. A single piece or divided cylinder housing designed to be mounted on the torque flange of an axle. The cylinder housing has a slot or groove through which the DISK, BRAKE passes. It contains a piston(s) or push rod(s) which provides the hydraulic or mechanical force to press the LINING, FRICTION againsst the DISK, BRAKE.

b. LINING, FRICTION

c. A DISK, BRAKE designed to be keyed or rigidly attached to a wheel or rotating shaft.

CAMSHAFT, ACTUATING, BRAKE SHOE	10853	JA

An item with an integral shaft designed to convert rotary motion into linear motion for the purpose of energizing the shoes of a vehicular brake system.

CHAMBER, VACUUM BRAKE	10865	QA

A mechanical device employing a flexible diaphragm to convert vacuum to physical force to actuate the brake shoes of a vehicle.

CUP, HYDRAULIC BRAKE CYLINDER	11359	NA

A circular-shaped item of molded synthetic or natural rubber designed specifically to seal fluid pressure and prevent leakage within the cylinders of a vehicular hydraulic brake system. It is a component of CYLINDER ASSEMBLY, HYDRAULIC BRAKE, MASTER or CYLINDER ASSEMBLY, HYDRAULIC BRAKE, WHEEL. Excludes CUP, COMPRESSION.

DIAPHRAGM, CHAMBER, BRAKE	10201	RA

An item of flexible, nonmetallic construction, designed to convert air pressure or vacuum into mechanical force when installed in a brake chamber.

LINK, ACTUATING BRAKE, VEHICULAR	39159	HA
LINK, ANCHOR, BRAKE SHOE	10203	HA

A one piece metal item, usually flat and of rectangular cross section, so designed to maintain alignment of the brake shoes.

LINK, BRAKE SHOE, ADJUSTMENT LEVER	39162	HA
LINK, PARKING BRAKE CONNECTING	39161	HA
LINK, PRIMARY SHOE, PARKING BRAKE	39107	HA

Approved Item Name	INC	App Key
LINK, WHEEL CYLINDER, HYDRAULIC BRAKE	10121	PA

A metal device designed to be mounted between the wheel cylinder piston and brake shoe. Its function is to transmit the motion of the piston to the brake shoe.

LOCK, BRAKE SHOE	39160	GA

Piston

1. A cylindrical piece which moves or reciprocates in a cylinder, either under fluid pressure, as in engines, or to displace or compress a fluid as in pumps and compressors.

PISTON (1), HYDRAULIC BRAKE	36146	SA

A metallic or nonmetallic item designed to function in a wheel cylinder or caliper of a hydraulic brake system.

PISTON (1), HYDRAULIC BRAKE, MASTER CYLINDER	11360	LA
PLATE, BACKING, BRAKE	22097	FA

A rigid circular shaped metal item with a centrally located aperture. It has mounting holes and is specifically designed to mount and position the components of a BRAKE (as modified). It also serves to prevent dirt and other foreign matter from entering the braking mechanism. Excludes items which are used as a dust shield only.

PLATE, WEAR, BRAKE SHOE	11388	GA

A rigid replaceable metal item, designed to be mounted on the actuating or cam end of a brake shoe to receive the thrust of the operating cam.

PUSH ROD, HYDRAULIC BRAKE MASTER CYLINDER	18736	MA

An item in the form of a rod with one end designed to mate with the socket of a PISTON, HYDRAULIC BRAKE, MASTER CYLINDER, the other end designed to connect with various forms of rod connectors.

ROTOR ASSEMBLY, DISC BRAKE	37477	BF

A flat circular metallic device with a center mounting area of various configuration (recessed, flat, protruding, shouldered, etc.), it also includes the mating hub, and may include items such as roller cups, studs, and the like. It is a component of a caliper type brake system designed with a flat machine braking surface which may be of a solid, ribbed or space designed for cooling purposes. For a rotor without a hub see ROTOR, DISC BRAKE.

Approved Item Name	INC	App Key
ROTOR, DISC BRAKE	37476	BF

A flat circular metallic device with a center mounting area of various configuration (recessed, flat, protruding, shouldered, etc.). It is a component of a caliper type brake system designed with a flat machine braking surface which may be of a solid, ribbed or space designed for cooling purposes. For a rotor with a hub see ROTOR ASSEMBLY, DISC BRAKE.

SHIM, BRAKE LINING	13555	CA

A flexible strip of molded asbestos fiber, impregnated with a heat resisting binder. It is used principally to shim up brake lining, to compensate for size, when used with worn or refinished brake drums.

APPLICABILITY KEY INDEX

	AA
NAME	X
ALPL	X
AYBX	X
AYBY	AR
AYBZ	AR
AYDT	AR
AYDW	X
AYDZ	AR
AYEB	X
AYEE	X
AYEK	X
AAPL	X
ACDC	X
ELEC	AR
FREQ	AR
FAAZ	AR
AMZX	AR
ABHP	AR
ADAV	AR
ABMK	AR
ABKW	AR
ABFY	AR
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AYLE	AR
FEAT	AR
TEST	AR
SPCL	AR
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ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
ENAC	AR
AFJK	AR
SUPP	AR
ZZZP	AR
AGAV	AR
ZZZV	AR
CXCY	AR
HZRD	AR

	BA	BB	BC	BD	BE	BF
NAME	X	X	X	X	X	X
APHE	X		X		X	X
APGF		X				
AYLH		X				
AYLJ	X			X		
AYLK			X			
AYLL					X	
AYLM	X					AR
AYLN		X				
AYLP					X	
AYLQ				X		
AYLR	X		X			AR
AYLS			X			
AYLT			X			
AYLW	X					X
AYLX	X					AR
AYNS	X					
AYNT					X	
AYNW				X		
AYNY	X	X	X	X	X	X
ADAV	X	X	X	X	X	X
ABMK	X	X	X	X	X	X
AYPE	AR	AR	AR	AR	AR	AR
AXGY	AR	AR	AR	AR	AR	AR
ABTJ	AR	AR	AR	AR	AR	AR
ABTB	AR	AR	AR	AR	AR	AR
ABKG	AR	AR	AR	AR	AR	AR
ABSA	AR	AR	AR	AR	AR	AR
AGJS	AR	AR	AR	AR	AR	AR
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AAUH	AR	AR	AR	AR	AR	AR
FEAT	AR	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR	AR
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ZZZT	AR	AR	AR	AR	AR	AR
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ZZZY	AR	AR	AR	AR	AR	AR
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AGXZ	AR
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AYQB	X
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ABMK	X
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ABTJ	AR
ABTB	AR
ALXY	AR
AJVW	AR
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ABQS	AR
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AYQF	X
AYQH	X
AYQJ	X
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AYQL	X
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ELCD	AR
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ABUJ	AR
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AEPR	AR
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ABHP	X
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TEST	AR
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AZDR	X
ADVR	AR
AZAP	X
AZDS	X
AGWM	X
AGQD	X
AZDT	X
ABHP	X
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FEAT	AR
TEST	AR
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ZZZX	AR
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CRTL	AR
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CXCY	AR
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CRTL	AR
PRPY	AR
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ELCD	AR
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ZZZV	AR
CXCY	AR
HZRD	AR

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AMWL	X
AZEC	X
AZED	X
AZEE	AR
AZEF	X
AAJF	X
AHGU	AR
CXJJ	AR
AZEJ	X
AXGY	X
AKPV	AR
AWYX	AR
ALGC	AR
AZEK	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
ENAC	AR
AFJK	AR
SUPP	AR
ZZZP	AR
AGAV	AR
ZZZV	AR
CXCY	AR
HZRD	AR

	RA
NAME	X
MATL	X
ARQS	AR
AZEN	X
ADGA	AR
AZEP	AR
ABKW	AR
ABFY	AR
ABPX	AR
AXGY	X
ABTJ	AR
ABTB	AR
ALXY	AR
AASF	X
ADZC	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
ENAC	AR
AFJK	AR
SUPP	AR
ZZZP	AR
AGAV	AR
ZZZV	AR
CXCY	AR
HZRD	AR

	SA
NAME	X
AJXE	X
MATL	X
APEA	X
ADTS	AR
ABGF	AR
ABGA	AR
AZES	AR
AZET	X
AZEW	AR
SHPE	AR
AZEX	AR
ABGC	AR
ABKV	X
ABRY	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
ELCD	AR
ENAC	AR
AFJK	AR
SUPP	AR
ZZZP	AR
AGAV	AR
ZZZV	AR
CXCY	AR
HZRD	AR

[Page Break]

Body

SECTION: A

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED00233*)

ALL			
	ALPL	D	BRAKE TYPE

Definition: INDICATES THE TYPE OF BRAKE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALPLDDQ*; ALPLDDQ$DDR*)

REPLY CODE	REPLY (AG25)
DQ	BAND
DR	DISK
DS	SHOE

ALL			
	AYBX	D	WHEEL USAGE FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A WHEEL USAGE FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYBXDB*; AYBXDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRCS AYBY, AYBZ, AND AYDT: IF REPLY CODE B IS ENTERED FOR MRC AYBX, REPLY TO MRCS AYBY AND AYBZ. IF REPLY CODE C IS ENTERED FOR MRC AYBX, REPLY TO MRC AYDT.

ALL* (See Note Above)

AYBY J WHEEL DIAMETER ACCOMMODATED

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE ACCOMMODATION FOR A WHEEL, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYBYJAA10.000*; AYBYJAB10.000$$JAC12.000*; AYBYJLA254.0*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AYBY)

AYBZ J WHEEL WIDTH ACCOMMODATED

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE ACCOMMODATION FOR A WHEEL, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYBZJAA1.000*; AYBZJAB1.000$$JAC1.500*; AYBZJLA25.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AYBY)

AYDT J BRAKING SURFACE AREA

Definition: A MEASUREMENT OF THE AMOUNT OF BRAKING SURFACE AREA.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYDTJAA8.000*; AYDTJAB8.000$$JAC8.500*; AYDTJBA5161.6*)

Table 1

REPLY CODE	REPLY (AC51)
A	SQUARE INCHES
B	SQUARE MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AYDW D ACTUATOR TYPE

Definition: INDICATES THE TYPE OF ACTUATOR PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYDWDCE*; AYDWDCE$DHD*)

REPLY CODE	REPLY (AC58)
A	ANY ACCEPTABLE
CE	MAGNETIC
HD	MOTOR
BP	SOLENOID

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRC AYDZ: IF REPLY CODE HD IS ENTERED FOR MRC AYDW, REPLY TO MRC AYDZ.

ALL* (See Note Above)

AYDZ D SPEED TYPE

Definition: INDICATES THE TYPE OF SPEED FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYDZDAB*; AYDZDAB$DAH*)

REPLY CODE	REPLY (AL77)
AB	CONSTANT
AH	TORQUE

ALL

AYEB J ACTUATOR RATED AMBIENT TEMP

Definition: THE TEMPERATURE OF THE MEDIUM SURROUNDING THE ACTUATOR AT WHICH IT CAN BE OPERATED CONTINUOUSLY.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYEBJFA20.0*; AYEBJCB54.0$$JCC100.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AYEBKN*)

Table 1

REPLY CODE	REPLY (AB36)
C	DEG CELSIUS
F	DEG FAHRENHEIT
K	DEG KELVIN

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APP Key	MRC	Mode Code	Requirements

AYEE J ACTUATOR OPERATION TEMP RISE

Definition: THE INCREASE IN THE TEMPERATURE OF THE ACTUATOR DURING OPERATION.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYEEJFF50.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AYEEKN*)

Table 1

REPLY CODE	REPLY (AB36)
C	DEG CELSIUS
F	DEG FAHRENHEIT

Table 2

REPLY CODE	REPLY (AD63)
E	CONTINUOUS
F	INTERMITTENT

ALL

AYEK J INTERMITTENT OPERATION DUTY CYCLE

Definition: THE MAXIMUM OPERATING ON TIME AND THE MINIMUM OFF TIME FOR A COMPLETE CYCLE OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3, below, followed by the numeric value, using AND coding ($$) entering the minimum time off and maximum time on. (e.g., AYEKJBPBM1.5$$JBPCP15.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AYEKKN*)

Table 1

REPLY CODE	REPLY (AB49)
BP	MINUTES
AR	SECONDS

Table 2

REPLY CODE	REPLY (AC20)
C	MAXIMUM
B	MINIMUM

APP Key	MRC	Mode Code	Requirements

Table 3

REPLY CODE	REPLY (AK45)
M	OFF
P	ON

ALL

AAPL J TORQUE LOAD RATING

Definition: THE ABILITY OF AN ITEM TO WITHSTAND A SPECIFIED TORQUE LOAD WITHOUT FRACTURE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAPLJG2.500*; AAPLJL0.346*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AAPLKN*)

REPLY CODE	REPLY (AA56)
F	FOOT-POUNDS
A	INCH-OUNCES
G	INCH-POUNDS
L	MILLIMETER-KILOGRAMS
B	NEWTON-METER

ALL

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$DC*)

REPLY CODE	REPLY (AB62)
B	AC
D	AC/DC
C	DC

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRCS ELEC, FREQ, AND FAAZ: IF REPLY CODE B OR D IS ENTERED FOR MRC ACDC, REPLY TO MRCS ELEC, FREQ, AND FAAZ. IF REPLY CODE C IS ENTERED FOR MRC ACDC, REPLY TO MRC ELEC.

ALL* (See Note Above)

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB110.0*; ELECB110.0$B24.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ELECKN*)

ALL* (See Note Preceding MRC ELEC)

FREQ B FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB60.0*; FREQB50.0$B60.0*)

ALL* (See Note Preceding MRC ELEC)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDA*; FAAZDA$DB*)

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

ALL*

AMZX G MOUNTING HOLE SPACING AND LOCATION

APP Key	MRC	Mode Code	Requirements

Definition: THE MEASURED SPACE BETWEEN THE MOUNTING HOLES AND THE LOCATION.

Reply Instructions: Enter the reply in clear text. (e.g., AMZXGFOUR 1/4 IN. DIA MTG HOLES ON 3 IN. BY 4 IN. MTG CENTERS*)

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.752*; ABHPJAB27.500$$JAC30.000*; ABHPJLA44.5*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.500*; ADAVJAB6.810$$JAC6.875*; ADAVJLA38.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.500*; ABMKJAB17.500$$JAC17.750*; ABMKJLA38.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.625*; ABKWJAB7.187$$JAC7.438*; ABKWJLA38.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.625*; ABFYJAB1.875$$JAC1.968*; ABFYJLA38.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AYKZ D ELECTRICAL SECTION INCLOSURE TYPE

Definition: INDICATES THE TYPE OF INCLOSURE PROVIDED TO COAT, COVER, PROTECT, OR ENCASE THE ELECTRICAL SECTION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 3. (e.g., AYKZDAAX*; AYKZDAAD$DAAE*; AYKZDAAD$$DAAE*)

ALL*

AYLE D MECHANICAL SECTION INCLOSURE TYPE

Definition: INDICATES THE TYPE OF INCLOSURE PROVIDED TO COAT, COVER, PROTECT, OR ENCASE THE MECHANICAL SECTION OF THE ITEM.

APP Key	MRC	Mode Code	Requirements
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., AYLEDAAD*; AYLEDAAD$DAAE*; AYLEDAAD$$DAAE*)		

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED09192*)

BA, BC, BE, BF

APHE	D	OPERATION METHOD

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDHC*; APHEDHC$DCT*)

REPLY CODE	REPLY (AC58)
AAB	AIR
HC	HYDRAULIC
CT	MECHANICAL

BB

APGF	D	DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDALA*; APGFDALA$DACN*)

REPLY CODE	REPLY (AK54)
ALA	DUPLEX
ACN	SINGLE

BB

AYLH	J	BLOCK DIAMETER

APP Key	MRC	Mode Code	Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BLOCK, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYLHJAA8.500*; AYLHJAB14.000$$JAC14.750*; AYLHJLA215.9*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BA, BD

AYLJ J BRAKING AREA OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BRAKING AREA, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYLJJAA16.500*; AYLJJAB10.000$$JAC11.500*; AYLJJLA419.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BC

APP Key	MRC	Mode Code	Requirements
	AYLK	J	ROTATING DISK OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A ROTATING DISK, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, excluding the spline. (e.g., AYLKJAA7.625*; AYLKJAB11.125$$JAC11.530*; AYLKJLA203.2*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BE

	AYLL	J	SHOE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A SHOE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYLLJAA13.000*; AYLLJAB10.000$$JAC10.625*; AYLLJLA254.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

BA, BF*

AYLM J LINING CONTACT SURFACE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A LINING CONTACT SURFACE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYLMJAA2.375*; AYLMJAB1.937$$JAC2.000*; AYLMJLA63.5*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BB

AYLN J BLOCK WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A BLOCK, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYLNJAA4.250*; AYLNJAB1.000$$JAC1.500*; AYLNJLA114.3*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

BE

AYLP J SHOE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A SHOE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYLPJAA6.000*; AYLPJAB1.500$$JAC2.000*; AYLPJLA152.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BD

AYLQ J BRAKING AREA INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE TWO INSIDE SURFACES OF A CIRCULAR BRAKING AREA, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYLQJAA11.500*; AYLQJAB10.000$$JAC10.875*; AYLQJLA292.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

BA, BC, BF*

AYLR J ROTATING DISK THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE ROTATING DISK, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYLRJAA0.080*; AYLRJAB0.155$$JAC0.190*; AYLRJLA2.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BC

AYLS J STATIONARY DISK THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE STATIONARY DISK, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYLSJAA0.070*; AYLSJAB0.216$$JAC0.220*; AYLSJLA1.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

BC

AYLT A ROTATING DISK QUANTITY

Definition: THE NUMBER OF ROTATING DISKS.

Reply Instructions: Enter the quantity. (e.g., AYLTA16*; AYLTA16$A18*)

BA, BF

AYLW A HYDRAULIC CYLINDER QUANTITY

Definition: THE NUMBER OF HYDRAULIC CYLINDERS.

Reply Instructions: Enter the quantity. (e.g., AYLWA3*; AYLWA3$A4*)

BA, BF*

AYLX J HYDRAULIC CYLINDER DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HYDRAULIC CYLINDER, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYLXJAA2.500*; AYLXJAB1.000$$JAC1.500*; AYLXJLA63.5*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BA

AYNS J LINING FRICTION SURFACE AREA

APP Key	MRC	Mode Code	Requirements

Definition: THE AMOUNT OF SURFACE AREA COVERED BY THE FRICTION LINING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYNSJAA28.000*; AYNSJAB0.880$$JAC1.570*; AYNSJBA516.1*)

Table 1

REPLY CODE	REPLY (AC51)
A	SQUARE INCHES
B	SQUARE MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BE

AYNT A SHOE QUANTITY

Definition: THE NUMBER OF SHOES.

Reply Instructions: Enter the quantity. (e.g., AYNTA2*; AYNTA2$A3*)

BD

AYNW A ROTOR QUANTITY

Definition: THE NUMBER OF ROTORS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYNYDAEQ*; AYNYDAEG$DAEQ*; AYNYDAEG$$DAEQ*)

ALL

AYNY D INSTALLATION LOCATION

Definition: INDICATES THE LOCATION FOR WHICH THE ITEM IS DESIGNED TO BE INSTALLED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYNYDAEQ*; AYNYDAEG$DAEQ*; AYNYDAEG$$DAEQ*)

REPLY CODE	REPLY (AJ91)

APP Key	MRC	Mode Code	Requirements
		AHP	CENTER
		DNN	LEFT HAND FRONT
		DNM	LEFT HAND REAR
		AEG	LEFT HAND SIDE
		DNP	RIGHT HAND FRONT
		AEQ	RIGHT HAND SIDE

ALL

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA14.000*; ADAVJAB12.000$$JAC12.188*; ADAVJLA355.6*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA4.000*; ABMKJAB0.750$$JAC1.750*; ABMKJLA101.6*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AYPE G WHEEL SIZE FOR WHICH DESIGNED

Definition: DESIGNATES THE SIZE OF THE WHEEL FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the wheel size in clear text. (e.g., AYPEG34 BY 9 IN. WHEEL*)

ALL*

AXGY D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXGYDACZ*; AXGYDACZ$DADA*)

REPLY CODE	REPLY (AM39)
ACZ	ANCHOR PLATE FLANGE
ACP	HOLE
ADA	SPLINE

NOTE FOR MRCS ABTJ, ABTB, ABKG, ABSA, AGJS, AAUJ, AND AAUH: IF REPLY CODE ACZ OR ACP IS ENTERED FOR MRC AXGY, REPLY TO MRCS ABTJ, ABTB AND ABKG. IF REPLY CODE ADA IS ENTERED FOR MRC AXGY, REPLY TO MRCS ABSA, AGJS, AAUJ, AND AAUH.

ALL* (See Note Above)

ABTJ A MOUNTING HOLE QUANTITY

Definition: THE NUMBER OF MOUNTING HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ABTJA12*; ABTJA4$A6*)

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ABTJ)

ABTB J MOUNTING HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTBJAA0.312*; ABTBJAB0.250$$JAC0.300*; ABTBJLA7.9*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABTJ)

ABKG J BOLT CIRCLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BOLT CIRCLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKGJAA8.000*; ABKGJAB4.000$$JAC5.000*; ABKGJLA203.2*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL* (See Note Preceding MRC ABTJ)

ABSA A SPLINE QUANTITY

Definition: THE NUMBER OF SPLINES ON OR IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ABSAA18*; ABSAA18$A20*)

ALL* (See Note Preceding MRC ABTJ)

AGJS J PITCH DIAMETER

Definition: A MEASUREMENT INDICATING THE DIAMETER-PITCH PER SPECIFIC MEASUREMENT SCALE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGJSJAA3.168*; AGJSJAB3.000$$JAC3.500*; AGJSJLA76.2*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABTJ)

AAUJ J SPLINE MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST CROSS SECTION OF A SPLINE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUJJAA3.371*; AAUJJAB3.056$$JAC3.064*; AAUJJLA76.2*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABTJ)

AAUH J SPLINE MINOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALLEST CROSS SECTION OF A SPLINE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUHJAA3.000*; AAUHJAB2.968$$JAC2.974*; AAUHJLA76.2*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: C

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED13555*)

ALL			
	ABNM	J	THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABNMJAA0.325*; ABNMJAB0.015$$JAC0.030*; ABNMJLA8.2*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL			
	ABGL	J	WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA1.500*; ABGLJAB2.000$$JAC2.500*; ABGLJLA36.1*)

Table 1

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AJEZ J PACKAGED UNIT LENGTH

Definition: AN OVERALL MEASUREMENT OF THE LONGEST DIMENSION OF AN ITEM ENCUMBERED BY PACKAGING OR PACKING, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJEZJFA15.000*; AJEZJFB100.000$$JFC150.000*; AJEZJMA30.4*)

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AGXZ D UNIT PACKAGE TYPE

Definition: INDICATES THE TYPE OF CONTAINER IN WHICH THE ITEM OF SUPPLY IS PACKAGED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AGXZDAB*; AGXZDMA$DGP*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements
		REPLY CODE	REPLY (AE96)
		AB	BOX
		MA	COIL
		FG	ROLL
		GP	SPOOL

SECTION: D

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED15776*)

ALL			
	AYPJ	A	LINING QUANTITY

Definition: THE NUMBER OF LININGS PROVIDED.

Reply Instructions: Enter the I/SAC from the table below, followed by the quantity. (e.g., AYPJ1GA4; AYPJ1AA2*; AYPJ1BA2*)*

REPLY CODE	REPLY (0361)
1G	*ALL GROUP*
1H	*SINGLE GROUP*
1A	1ST GROUP
1B	*2ND GROUP*
1C	*3RD GROUP*
1D	*4TH GROUP*

ALL			
	AYPK	J	DRUM DIAMETER FOR WHICH DESIGNED

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE DRUM FOR WHICH THE ITEM IS DESIGNED, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the I/SAC from Table 1 below, followed by the Mode code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., AYPK1GJAA14.000; AYPK1GJAB10.000$$JAC14.000*; AYPK1AJAA12.000*; AYPK1BJAA14.000*)*

Table 1

REPLY CODE	REPLY (0361)
1G	*ALL GROUPS*
1H	*SINGLE GROUP*

APP Key	MRC	Mode Code	Requirements
		1A	*1ST GROUP*
		2B	*2ND GROUP*
		3C	*3RD GROUP*
		1D	*4TH GROUP*

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	*NOMINAL*
B	*MINIMUM*
C	*MAXIMUM*

ALL

AYPL J LINING WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE LINING, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYPL1GJAA0.240; AYPL1HJAB0.240$$JAC0.500*; AYPLJLA6.3*; AYPL1AJAA0.240*; AYPL1BJAA0.250*)*

Table 1

REPLY CODE	REPLY (0361)
1G	*ALL GROUPS*
1H	*SINGLE GROUP*
1A	*1ST GROUP*
2B	*2ND GROUP*
1C	*3RD GROUP*
1D	*4TH GROUP*

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AC20)
A	*NOMINAL*
B	*MINIMUM*
C	*MAXIMUM*

ALL

AYPM J LINING THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE LINING, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYPM1GJAA0.245*; AYPM1HJAB0.245$$JAC0.510*; AYPM1AJAA0.100*; AYPM1BJAA0.240*)

Table 1

REPLY CODE	REPLY (0361)
1G	*ALL GROUPS*
1H	*SINGLE GROUP*
1A	*1ST GROUP*
1B	*2ND GROUP*
1C	*3RD GEOUP*
1D	*4TH GROUPS*

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	*NOMINAL*
B	*MINIMUM*
C	*MAXIMUM*

ALL

AYPN J LINING LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE LINING, IN DISTINCTION FROM WIDTH.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value. (e.g., AYPNJAA9.245; AYPNJAB9.000$$JAC9.850*; AYPNJLA203.2* AYPN1AJAA8.000*; AYPN1BJAA9.500*)*

Table 1

REPLY CODE	REPLY (0361)
1GH	*ALL GROUPS*
1H	*SINGLE GROUP*
1A	*1ST GROUP*
1B	*2ND GROUP*
1C	*3RD GROUP*
1D	*4TH GROUP*

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	*NOMINAL*
B	*MINIMUM*
C	*MAXIMUM*

ALL*

AGKX G SUPPLY ITEM

Definition: A MAJOR COMPONENT WHICH IS COMPRISED OF A NATIONAL STOCK NUMBER AND THE ITEM NAME, STANDARDIZED NAME, OR PART NAME.

Reply Instructions: Enter the reply in clear text. (e.g., AGKXG5320-00-058-9890, LINING BRAKE*)

ALL*

AGKY G NONSUPPLY ITEM

Definition: A MAJOR COMPONENT, OUTSIDE THE SCOPE OF AN ITEM OF SUPPLY TO BE CATALOGED, AS INDICATED BY THE NAME OF THE MANUFACTURER AND THE NAME AND NUMBER OF THE ITEM AS IDENTIFIED BY THE MANUFACTURER.

APP Key	MRC	Mode Code	Requirements
	Reply Instructions: Enter the reply in clear text. (e.g., AGKYGJOHNS-MANVILLE PRODUCTS CORP 600 LINING*)		

SECTION: E

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED11298*)

ALL			
	ANNQ	H	MATERIAL AND LOCATION

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT, AND ITS LOCATION.

Reply Instructions: Enter the applicable Reply Codes from Appendix A , Table 1 and the table below, respectively. (e.g., ANNQHALC000AAB*; ANNQHALC000AAB$HSTB000AAB*; ANNQHALC000AAB$$HAL0115AAB*)

When multiple or optional materials are specified for more than one location, use AND/OR coding ($$/$). (e.g., ANNQHALC000AWL$HRCAAL0AWL$$HST0000AWM$$HSTB000AWM)*

REPLY CODE	REPLY (AJ91)
AWL	MOUNTING DISK
AAB	OVERALL
AWM	WEAR SURFACE

ALL			
	AYPQ	D	BRAKING SURFACE LOCATION

Definition: INDICATES THE BRAKING SURFACE LOCATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYPQDABY*; AYPQDABY$DABX*)

REPLY CODE	REPLY (AJ91)

APP Key	MRC	Mode Code	Requirements
		ABY	EXTERNAL
		ABX	INTERNAL

ALL

AYQA J BRAKING SURFACE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE BRAKING SURFACE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYQAJAA17.000*; AYQAJAB17.000$$JAC17.500*; AYQAJLA431.3*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AYQB J BRAKING SURFACE WIDTH

Definition: THE MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE BRAKING SURFACE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYQBJAA3.750*; AYQBJAB3.750$$JAC4.000*; AYQBJLA101.6*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL

ADGA J OVERALL OUTSIDE DIAMETER

Definition: THE OVERALL LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF AN ITEM, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADGAJAA18.000*; ADGAJAB18.000$$JAC18.250*; ADGAJLA203.2*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA7.000*; ABMKJAB7.000$$JAC7.500*; ABMKJLA177.8)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ADYT J CENTER HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE CENTER HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADYTJAA1.750*; ADYTJAB1.750$$JAC2.000*; ADYTJLA25.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABTJ A MOUNTING HOLE QUANTITY

Definition: THE NUMBER OF MOUNTING HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ABTJA10*; ABTJA10$A11*)

ALL*

ABTB J MOUNTING HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTBJAA0.381*; ABTBJAB0.381$$JAC0.500*; ABTBJLA12.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ALXY G MOUNTING HOLE SPACING

Definition: THE SPACING BETWEEN THE MOUNTING HOLES.

Reply Instructions: Enter the reply in clear text. (e.g., ALXYGEQUALLY SPACED ON 11 IN. BOLT CIRCLE*)

ALL*

AJVW A ALIGNMENT HOLE QUANTITY

Definition: THE NUMBER OF HOLES PROVIDED FOR ALIGNING THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AJVWA3*; AJVWA3$A4*)

ALL*

AYQC G HOLE SIZE

Definition: DESIGNATES THE SIZE OF THE HOLE(S) OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., AYQCG0.313 IN. SQ*)

ALL*

ABQS B COUNTERSUNK HOLE ANGLE IN DEG

APP Key	MRC	Mode Code	Requirements

Definition: THE ANGLE OF THE CONICAL RECESS OF THE HOLE, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., ABQSB45.0*)

ALL*

AYQE G HOLE SPACING

Definition: THE SPACING BETWEEN THE HOLES.

Reply Instructions: Enter the reply in clear text. (e.g., AYQEGEQUALLY SPACED BETWEEN MTG HOLES ON 11 IN. BOLT CIRCLE*)

ALL

AYQF D COOLING FIN

Definition: AN INDICATION OF WHETHER OR NOT A COOLING FIN(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYQFDB*; AYQFDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

AYQH D ADJUSTMENT HOLE

Definition: AN INDICATON OF WHETHER OR NOT AN ADJUSTMENT HOLE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYQHDB*; AYQHDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

APP Key	MRC	Mode Code	Requirements
	AYQJ	D	INSPECTION HOLE

Definition: AN INDICATION OF WHETHER OR NOT AN INSPECTION HOLE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYQJDB*; AYQJDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

	AYQK	D	OIL DRAIN HOLE

Definition: AN INDICATION OF WHETHER OR NOT AN OIL DRAIN HOLE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYQKDB*; AYQKDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

	AYQL	D	BALANCING PAD

Definition: AN INDICATION OF WHETHER OR NOT A BALANCING PAD(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYQLDB*; AYQLDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

SECTION: F

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED22097*)		
ALL			
	MATL	D	MATERIAL
	Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDBR0000*; MATLDBR0000$$DST0000*; MATLDBR0000$DST0000*)		
ALL*			
	SURF	D	SURFACE TREATMENT
	Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., SURFDPN0000*)		
	Enter multiple replies in the same sequence as MRC MATL. (e.g., SURFDAZ0000$$DPN0000*; SURFDAZ0000$DPN0000*)		
ALL			
	ABKV	J	OUTSIDE DIAMETER
	Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.		

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKVJAA22.625*; ABKVJAB20.000$$JAC20.500*; ABKVJLA254.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABPX J MATERIAL THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE MATERIAL, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABPXJAA0.278*; ABPXJAB0.897$$JAC0.950*; ABPXJLA6.3*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJA6.000*; ABRYJAB6.000$$JAC6.500*; ABRYJLA152.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA4.000*; ABMZJAB4.000$$JAC4.500*; ABMZJLA101.6*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABGL J WIDTH

APP Key	MRC	Mode Code	Requirements

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA1.000*; ABGLJAB1.000$$JAC1.500*; ABGLJLA25.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABTJ A MOUNTING HOLE QUANTITY

Definition: THE NUMBER OF MOUNTING HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ABTJA6*; ABTJA6$A7*)

ALL

ABTB J MOUNTING HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTBJAA0.391*; ABTBJAB0.314$$JAC0.225*; ABTBJLA6.3*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ALXY G MOUNTING HOLE SPACING

Definition: THE SPACING BETWEEN THE MOUNTING HOLES.

Reply Instructions: Enter the reply in clear text. (e.g., ALXYGIRREGULARLY SPACED ON 14-5/8 IN. BOLT CIRCLE DIAMETER*)

ALL*

AYQM D MOUNTING LOCATION

Definition: INDICATES THE MOUNTING LOCATION FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYQMDAWQ*; AYQMDACH$DACF*; AYQMDACH$$DACF*)

REPLY CODE	REPLY (AJ91)
ACH	LEFT FRONT
AWN	LEFT REAR
ACF	LEFT SIDE
AWP	PARKING BRAKE
ACP	RIGHT FRONT
AWQ	RIGHT REAR
ACR	RIGHT SIDE

SECTION: G

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED11388*)		
ALL			
	MATL	D	MATERIAL
	Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 1. (e.g., MATLDSTA000*; MATLDST0000$$DRC0000*; MATLDST0000$DRC0000*)		
ALL			
	STYL	L	STYLE DESIGNATOR
	Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE ITEM.		
	Reply Instructions: Enter the applicable style designator from Appendix B, Reference Drawing Group A. (e.g., STYLL3*)		

SECTION: H

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED10203*)

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 1. (e.g., MATLDSTA000*; MATLDST0000$$DRC0000*; MATLDST0000$DRC0000*)

ALL			
	SHPE	D	SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SHPEDBK*; SHPEDKX$DBK*)

REPLY CODE	REPLY (AD07)
KX	CURVED
BK	STRAIGHT

ALL*			
	ACSX	J	OFFSET DISTANCE

Definition: THE DISTANCE OF OFFSET IN THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACSXJAA0.125*; ACSXJAB0.125$$JAC0.200*; ACSXJLA3.1*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AHEF D END SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE END(S) OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AHEFDSQ*; AHEFDRD$DSQ*)

REPLY CODE	REPLY (AD07)
RD	ROUND
SQ	SQUARE

NOTE FOR MRC ABPZ: IF REPLY CODE RD IS ENTERED FOR MRC AHEF, REPLY TO MRC ABPZ.

ALL*

ABPZ J END RADIUS

Definition: A MEASUREMENT OF A STRAIGHT LINE EXTENDING FROM THE CENTER OF A CIRCLE TO THE END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABPZJAA2.000*; ABPZJAB0.750$$JAC0.875*; ABPZJLA50.8*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA4.000*; ABHPJAB4.000$$JAC4.500*; ABHPJLA101.6*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.075*; ABMKJAB1.000$$JAC1.500*; ABMKJLA25.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ADUM J OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA0.375*; ADUMJAB0.250$$JAC0.300*; ADUMJLA7.6*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AYSQ J ANCHOR PIN HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF AN ANCHOR PIN HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYSQJAA1.255*; AYSQJAB0.750$$JAC0.800*; AYSQJLA25.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AYSR J ANCHOR PIN HOLE CENTER TO CENTER DISTANCE

Definition: THE DISTANCE FROM THE CENTER OF ONE ANCHOR PIN HOLE TO THE CENTER OF THE ADJACENT ANCHOR PIN HOLE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYSRJAA3.000*; AYSRJAB1.734$$JAC2.476*; AYSRJLA76.2*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ACHY D MOUNTING HOLE TYPE

Definition: INDICATES THE TYPE OF HOLES PROVIDED IN THE ITEM TO FACILITATE MOUNTING TO ANOTHER ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACHYDL*; ACHYDL$$DM*; ACHYDL$DM*)

REPLY CODE	REPLY (AB68)
L	PIVOT PIN
M	STUD

APP Key	MRC	Mode Code	Requirements

ALL*

AAUB J HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUBJAA0.516*; AAUBJAB0.435$$JAC0.437*; AAUBJLA12.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AZPA D HOLE LOCATION

Definition: INDICATES THE LOCATION OF THE HOLE(S) ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZPADAHP*; AZPADAHP$$DABB*; AZPADAHP$DABB*)

REPLY CODE	REPLY (AJ91)
AHP	CENTER
ABB	END

SECTION: J

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: AN NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED10853*)

ALL			
	AGEX	A	CAM QUANTITY

Definition: THE NUMBER OF CAMS INCLUDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AGEXA2*; AGEXA2$A3*)

ALL			
	AYSS	D	CAM LOCATION

Definition: INDICATES THE LOCATION OF THE CAM ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYSSDAWX*; AYSSDAWY$DAWZ*)

REPLY CODE	REPLY (AJ91)
AWX	ON END
AWZ	1 ON EACH END
AWY	2 ON ONE END

ALL			
	AYSW	D	CAM SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE CAM.

Reply Instructions: Enter the applicable Reply Code from the table below. Shape will be determined facing front of cam with shaft to the rear. (e.g., AYSWDMB*; AYSWDAR$DBT*)

REPLY CODE	REPLY (AD07)
AR	ELLIPTICAL

APP Key	MRC	Mode Code	Requirements
		MB	ELLIPTICAL W/RETAINING FLANGE
		BT	OVAL
		MC	PARALLELOGRAM
		MD	REVERSE S
		ME	S

ALL

AYSY D ROTATION DIRECTION FOR WHICH DESIGNED

Definition: THE DIRECTION OF ROTATION FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. Rotation direction will be determined facing front of cam with shaft to the rear. (e.g., AYSYD*; AYSYDK$DM*)

REPLY CODE	REPLY (AA38)
K	CLOCKWISE
M	COUNTERCLOCKWISE

ALL

AYSZ J CAM OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE CAM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYSZJAA1.750*; AYSZJAB3.430$$JAC4.255*; AYSZJLA50.8*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL

AYTA J CAM CENTER THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE CAM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value of that portion of the cam separating the two shoes when in full contracted position. (e.g., AYTAJAA1.000*; AYTAJAB0.320$$JAC0.493*; AYTAJLA25.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AGEN J CAM WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE CAM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGENJAA1.125*; AGENJAB1.094$$JAC1.156*; AGENJLA25.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

NOTE FOR MRC AYTD: IF REPLY CODE MB IS ENTERED FOR MRC AYSW, REPLY TO MRC AYTD.

ALL* (See Note Above)

AYTD J CAM RETAINING FLANGE THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE CAM RETAINING FLANGE, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYTDJAA0.125*; AYTDJAB0.438$$JAC0.562*; AYTDJLA3.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

MATL D MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDSTA000*; MATLDFED000$$DSTD000*; MATLDFED000$DSTD000*)

ALL

ABXF J SHAFT LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE SHAFT, IN DISTINCTION FROM WIDTH.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, excluding the cam. (e.g., ABXFJAA11.000*; ABXFJAB2.810$$JAC9.910*; ABXFJLA279.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABWV J SHAFT DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A SHAFT, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the I/SAC from Table 1 below, followed by the Mode Code and the applicable Reply Codes from Tables 2 and 3 below, followed by the numeric value, excluding spline. (e.g., ABWV1FJAA0.750;*

ABWV1AJAB0.545$$JAC0.555*;

ABWV1BJAA1.219*)

Table 1

REPLY CODE	REPLY (0116)
1G	*ALL STEPS*
1A	*FIRST STEP*
1D	*FOURTH STEP*
1B	*SECOND STEP*
1F	*SINGLE STEP*
1C	*THIRD STEP*

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

APP Key	MRC	Mode Code	Requirements

Table 3

REPLY CODE	REPLY (AC20)
A	*NOMINAL*
B	*MINIMUM*
C	*MAXIMUM*

ALL*

ABGJ J STEP LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE STEP, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGJJAA1.750*; ABGJJAB1.750$$JAC1.875*; ABGJJLA50.8*)

When multiple lengths are specified for recessed and/or shouldered shafts, use Secondary Address Coding and AND coding ($$), as applicable. Secondary Address Coding will be used to separate multiple lengths and AND coding ($$) to separate ranges, entering in the same sequence as MRC ABWV. (e.g.,

ABGJ1AJAB1.750$$JAC1.875*;

ABGJ1BJAA3.250*)

Table 1

REPLY CODE	REPLY (AA05)
1G	*ALL STEPS*
1A	*FIRST STEP*
1D	*FOURTH STEP*
1B	*SECOND STEP*
1F	*SINGLE STEP*
1C	*THIRD STEP*

Table 2

REPLY CODE	REPLY (AA05)
A	*INCHES*
L	*MILLIMETERS*

Table 3

REPLY CODE	REPLY (AC20)
A	*NOMINAL*

APP Key	MRC	Mode Code	Requirements
		B	*MINIMUM*
		C	*MAXIMUM*

ALL

AKCV D DRIVE TYPE

Definition: INDICATES THE TYPE OF DRIVE FOR TURNING, ROTATING, OR POSITIONING THE MECHANISM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKCVDCX*; AKCVDEB$DEC*)

REPLY CODE	REPLY (AG25)
EB	INVOLUTE SPLINE
CX	KEYWAY
EC	STRAIGHT SPLINE

NOTE FOR MRCS ABSA, ABRY, AYTJ, AGJS, AAZR, AGJR, ABGL, AEJZ, AND AEVJ: IF REPLY CODE EB IS ENTERED FOR MRC AKCV, REPLY TO MRCS ABSA, ABRY, AYTJ, AND AGJS. IF REPLY CODE CX IS ENTERED FOR MRC AKCV, REPLY TO MRCS ABRY, ABGL, AEJZ AND IF MORE THAN ONE KEYWAY ON THE ITEM, REPLY TO AEVJ. IF REPLY CODE EC IS ENTERED FOR MRC AKCV, REPLY TO MRCS ABSA, ABRY, AAZR, AND AGJR.

ALL* (See Note Above)

ABSA A SPLINE QUANTITY

Definition: THE NUMBER OF SPLINE(S) ON OR IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ABSAA10*; ABSAA10$A11*)

ALL* (See Note Preceding MRC ABSA)

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA1.500*; ABRYJAB2.057$$JAC2.067*; ABRYJLA38.1*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

AYTJ B PRESSURE ANGLE IN DEG

Definition: THE PRESSURE ANGLE, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., AYTJB20.0*)

ALL* (See Note Preceding MRC ABSA)

AGJS J PITCH DIAMETER

Definition: A MEASUREMENT INDICATING THE DIAMETER-PITCH PER SPECIFIC MEASUREMENT SCALE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGJSJAA0.8375*; AGJSJAB1.5000$$JAC2.0000*; AGJSJLA21.2*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

APP Key	MRC	Mode Code	Requirements
	AAZR	J	MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST DIAMETER OF THE ITEM, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAZRJAA1.456*; AAZRJAB0.622$$JAC1.238*; AAZRJLA38.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

	AGJR	J	MINOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALLEST DIAMETER OF THE ITEM, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGJRJAA1.130*; AGJRJAB1.000$$JAC1.200*; AGJRJLA30.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ABSA)

ABGL J WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA0.250*; ABGLJAB0.250$$JAC1.000*; ABGLJLA6.3*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

AEJZ J DEPTH

Definition: A LINEAR MEASUREMENT FROM THE SURFACE TO A SPECIFIED INNER POINT ON AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEJZJAA0.250*; AEJZJAB0.125$$JAC0.290*; AEJZJLA6.3*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ABSA)

AEVJ B KEYWAY SPACING IN DEG

Definition: A MEASUREMENT OF THE AMOUNT OF TURNING NECESSARY TO BRING ONE KEYWAY INTO COINCIDENCE WITH ANOTHER, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., AEVJB180.0*)

ALL*

AYTK D SHAFT SHANK TYPE

Definition: INDICATES THE TYPE OF SHAFT SHANK PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYTKDAM*; AYTKDAL$DAN*)

REPLY CODE	REPLY (AH09)
AL	EXTERNALLY THREADED
AM	INTERNALLY THREADED HOLE
AN	PLAIN

NOTE FOR MRCS AATR, ADCS, ABVK, AYTN, AAJF, AAJD, AASA, AND APJC: IF REPLY CODE AN IS ENTERED FOR MRC AYTK, REPLY TO MRCS AATR AND ADCS. IF REPLY CODE AL OR AM IS ENTERED FOR MRC AYTK, REPLY TO MRCS AATR, ABVK, AYTN, AAJF, AAJD, AASA AND APJC.

ALL* (See Note Above)

AATR J SHANK LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE SHANK, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AATRJAA0.468*; AATRJAB1.000$$JAC1.125*; AATRJLA50.8*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES

APP Key	MRC	Mode Code	Requirements
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AATR)

ADCS J PLAIN SHANK DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SHANK, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADCSJAA0.968*; ADCSJAB0.994$$JAC1.125*; ADCSJLA25.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AATR)

ABVK A THREAD SIZE DESIGNATOR

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the applicable thread diameter in decimal form, with a minimum of one digit preceding the decimal, followed by a dash and the number of threads per specific measurement scale. (e.g., ABVKA0.250-14*)

ALL* (See Note Preceding MRC AATR)

APP Key	MRC	Mode Code	Requirements
	AYTN	D	SHANK THREAD SERIES

Definition: A DESIGNATION INDICATING THE DIAMETER-PITCH COMBINATION AND THE NUMBER OF THREADS PER MEASUREMENT SCALE APPLIED TO A SERIES OF DIAMETERS OF A THREADED SHANK.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYTNDNC*; AYTNDNC$DNF*)

REPLY CODE	REPLY (AH06)
NC	UNC
NF	UNF

ALL* (See Note Preceding MRC AATR)

AAJF	D	THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCK-WISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDL*; AAJFDL$DR*)

REPLY CODE	REPLY (AA38)
L	LEFT-HAND
R	RIGHT-HAND

ALL* (See Note Preceding MRC AATR)

AAJD	A	THREAD CLASS

Definition: A NUMERIC-ALPHA DESIGNATOR INDICATING THE PITCH DIAMETER TOLERANCE AND AN EXTERNAL OR INTERNAL THREAD.

Reply Instructions: Enter the thread class. (e.g., AAJDA2B*; AAJDA1B$A2B*)

ALL* (See Note Preceding MRC AATR)

AASA	J	THREAD LENGTH

APP Key	MRC	Mode Code	Requirements

Definition: A MEASUREMENT OF THE EXTENT OF THREADS, INCLUDING INCOMPLETE THREADS, ALONG A LINE PARALLEL TO THE LONGITUDINAL AXIS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AASAJAA0.719*; AASAJAB0.750$$JAC0.875*; AASAJLA8.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AATR)

APJC D THREAD LOCATION

Definition: INDICATES THE LOCATION OF THE THREAD ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APJCDABY*)

REPLY CODE	REPLY (AJ91)
ABY	EXTERNAL
ABX	INTERNAL

SECTION: K

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED10090*)

ALL			
	AMWE	D	ADJUSTMENT TYPE

Definition: INDICATES THE TYPE OF ADJUSTMENT INCLUDED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMWEDM*; AMWEDM$DN*)

REPLY CODE	REPLY (AD63)
M	DOUBLE ARM
N	SINGLE ARM

ALL			
	AYTR	D	CONNECTING ARM DESIGN

Definition: THE DESIGN OF THE CONNECTING ARM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYTRDAB*; AYTRDAD$DAC*)

REPLY CODE	REPLY (AG26)
AD	BENT
AB	OFFSET
AC	STRAIGHT

NOTE FOR MRCS AYTT, ACSX, BFPP, AND ACJL: IF REPLY CODE AD IS ENTERED FOR MRC AYTR, REPLY TO MRCS BFPP AND ACJL. IF REPLY CODE AB IS ENTERED FOR MRC AYTR, REPLY TO MRCS AYTT AND ACSX.

APP
Key MRC Mode Code Requirements

ALL* (See Note Above)

AYTT D OFFSET DIRECTION

Definition: AN INDICATION OF THE OFFSET DIRECTION IN RELATION TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYTTDAB*; AYTTDAC$DAB*)

Direction of offset will be determined viewing the facing worm adjusting head with arm pointed up.

REPLY CODE	REPLY (AL96)
AC	LEFT
AB	RIGHT

ALL* (See Note Preceding MRC AYTT)

ACSX J OFFSET DISTANCE

Definition: THE DISTANCE OF OFFSET IN THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACSXJAA0.625*; ACSXJAB1.000$$JAC1.125*; ACSXJLA12.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AYTT)

BFPP D BEND DIRECTION

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF THE BEND DIRECTION IN RELATION TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BFPPDAB*; BFPPDAC$DAB*)

Direction of bend will be determined viewing the facing worm adjusting to the left and arm pointed up.

REPLY CODE	REPLY (AL96)
AC	LEFT
AB	RIGHT

ALL* (See Note Preceding MRC AYTT)

ACJL B BEND ANGLE IN DEG

Definition: THE ANGULAR MEASUREMENT BY WHICH ONE PART/SECTION OF A RIGID ITEM DEVIATES FROM A STRAIGHT LINE PROJECTION OF AN ADJACENT PART/SECTION, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., ACJLB350.0*)

ALL

AYTW A CONNECTING ARM HOLE QUANTITY

Definition: THE NUMBER OF CONNECTING ARM HOLES PROVIDED ON THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AYTWA3*; AYTWA3$A4*)

ALL

AYTX D CONNECTING ARM HOLE BUSHING

Definition: AN INDICATION OF WHETHER OR NOT A CONNECTING ARM HOLE BUSHING(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AYTXDB*; AYTXDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED

APP Key	MRC	Mode Code	Requirements
		C	NOT INCLUDED

ALL*

SHPE D SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SHPEDBK*; SHPEDBK$DTA*)

REPLY CODE	REPLY (AD07)
BK	STRAIGHT
TA	TAPERED

NOTE FOR MRCS AAUB, AGQA, AYTY, AND AYTZ: IF REPLY CODE BK IS ENTERED FOR MRC SHPE, REPLY TO MRC AAUB. IF REPLY CODE TA IS ENTERED FOR MRC SHPE, REPLY TO MRCS AGQA, AYTY, AND AYTZ.

ALL* (See Note Above)

AAUB J HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, including the bushings. (e.g., AAUBJAA0.503*; AAUBJAB0.501$$JAC0.751*; AAUBJLA12.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AAUB)

APP Key	MRC	Mode Code	Requirements

AGQA J LARGEST DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE LARGEST CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGQAJAA0.503*; AGQAJAB0.503$$JAC0.650*; AGQAJLA12.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AAUB)

AYTY J SMALLEST DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE SMALLEST CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from Tables 1 and 2 below, followed by the numeric value. (e.g., AYTYJAA0.435*; AYTYJAB0.435$$JAC0.600*; AYTYJLA6.3*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC AAUB)

AYTZ J HOLE TAPER

Definition: THE DIMINISHING MEASUREMENT OF THE DIAMETER ALONG THE MAJOR AXIS OF THE HOLE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYTZJBRA1.437*; AYTZJBRB1.000$$JBRC2.500*; AYTZJBSA25.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AYWA J CONNECTING ARM CENTER TO CENTER DISTANCE BETWEEN SPLINE HOLE AND CONNECTION HOLE

Definition: THE DISTANCE FROM THE CENTER OF THE SPLINED HOLE TO THE CENTER OF THE CONNECTION HOLE ON THE CONNECTING ARM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AYWAJAA12.000; AYWAJLA304.8*) If the source document specifies a tolerance for multiple connection holes, use AND coding ($$), as applicable. (e.g.,AYWAJAB6.000$$JAC6.125$$JAB5.750$$JAC5.875*)*

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL

AYWB J CONNECTING ARM THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF A CONNECTING ARM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value at hole end. (e.g., AYWBJAA0.531*; AYWBJAB0.500$$JAC0.791*; AYWBJLA12.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AXYS D SPLINE TYPE

Definition: INDICATES THE TYPE OF SPLINE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXYSDAY*; AXYSDAY$DBA*)

REPLY CODE	REPLY (AA85)
AY	INVOLUTE SPLINE
BA	STRAIGHT SPLINE

NOTE FOR MRCS ABSA, AAZR, AGJR, AYTJ, AND AGJS: IF REPLY CODE AY IS ENTERED FOR MRC AXYS, REPLY TO MRCS ABSA, AYTJ, AND AGJS. IF REPLY CODE BA IS ENTERED FOR MRC AXYS, REPLY TO MRCS ABSA, AAZR, AND AGJR.

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Above)

ABSA A SPLINE QUANTITY

Definition: THE NUMBER OF SPLINE(S) ON OR IN THE ITEM.

Reply Instructions: Enter the quantity. (e.g., ABSAA10*)

ALL* (See Note Preceding MRC ABSA)

AAZR J MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST DIAMETER OF THE ITEM, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAZRJAA1.438*; AAZRJAB1.124$$JAC1.500*; AAZRJLA38.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

AGJR J MINOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALLEST DIAMETER OF THE ITEM, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGJRJAA1.188*; AGJRJAB0.910$$JAC1.012*; AGJRJLA27.9*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements

A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABSA)

AYTJ B PRESSURE ANGLE IN DEG

Definition: THE PRESSURE ANGLE, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., AYTJB20.0*)

ALL* (See Note Preceding MRC ABSA)

AGJS J PITCH DIAMETER

Definition: A MEASUREMENT INDICATING THE DIAMETER-PITCH PER SPECIFIC MEASUREMENT SCALE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGJSJAA0.8375*; AGJSJAB1.3000$$JAC2.0000*; AGJSJLA21.2*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AZAF D LOCKING DEVICE TYPE

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE TYPE OF DEVICE USED TO LOCK THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., AZAFDBZ*; AZAFDBL$$DBM*; AZAFDCF$DCH*)

ALL

AAPL J TORQUE LOAD RATING

Definition: THE ABILITY OF AN ITEM TO WITHSTAND A SPECIFIED TORQUE LOAD WITHOUT FRACTURE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAPLJG2.5*; AAPLJK6.3*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AAPLKN*)

REPLY CODE	REPLY (AA56)
K	CENTIMETER-KILOGRAMS
G	INCH-POUNDS

ALL*

AZAG D LUBRICATION PROVISION

Definition: THE LUBRICATION PROVISION ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZAGDB*)

REPLY CODE	REPLY (AB26)
B	FITTING
P	PIPE PLUG

ALL*

ABVK A THREAD SIZE DESIGNATOR

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable thread diameter in decimal form with a minimum of one digit preceding the decimal, followed by a dash and the number of threads per specific measurement scale.

(e.g., ABVKA0.250-14*)

ALL*

AJYP D SCREW THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF SCREW THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIC DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJYPDNC*; AJYPDNC$DNF*)

REPLY CODE	REPLY (AH06)
NP	NPT
NT	NPTF
NC	UNC
NF	UNF

ALL*

AAJF D THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDL*; AAJFDL$DR*)

REPLY CODE	REPLY (AA38)
L	LEFT-HAND
R	RIGHT-HAND

SECTION: L

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED11360*)

ALL			
	AJXE	A	SIZE DESIGNATOR

Definition: A DESIGNATION INDICATING THE SIZE BY WHICH THE ITEM IS COMMERCIALLY KNOWN AND/OR IDENTIFIED.

Reply Instructions: Enter the size designator.

(e.g., AJXEA1-1/2*)

ALL			
	AZAH	D	SURFACE FEATURE

Definition: A NARRATIVE EXPRESSION USED TO DEFINE THE SURFACE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZAHDE*)

REPLY CODE	REPLY (AD20)
E	EXTERNALLY GROOVED FOR SECONDARY CUP
F	PLAIN SURFACE

NOTE FOR MRCS AZAM, AAVZ, ABGF, AND AZAN: IF REPLY CODE E IS ENTERED FOR MRC AZAH, REPLY TO MRCS AZAM, AAVZ, ABGF, AND AZAN, AS REQUIRED.

ALL* (See Note Above)

APP Key	MRC	Mode Code	Requirements
	AZAM	D	SECONDARY CUP

Definition: AN INDICATION OF WHETHER OR NOT A SECONDARY CUP IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZAMDB*; AZAMDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL* (See Note Preceding MRC AZAM)

	AAVZ	J	GROOVE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE GROOVE AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value taken at bottom of groove. (e.g., AAVZJAA0.750*; AAVZJAB0.754$$JAC0.848*; AAVZJLA38.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AZAM)

	ABGF	J	GROOVE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A GROOVE, IN DISTINCTION FROM THICKNESS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGFJAA0.125*; ABGFJAB0.120$$JAC0.316*; ABGFJLA3.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AZAM)

AZAN D LOCKING RING

Definition: AN INDICATION OF WHETHER OR NOT A LOCKING RING IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZANDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

AZAP D CUP PROTECTOR

Definition: AN INDICATION OF WHETHER OR NOT A CUP PROTECTOR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZAPDB*; AZAPDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRC AXGY: IF REPLY CODE C IS ENTERED FOR MRC AZAP, REPLY TO MRC AXGY.

ALL* (See Note Above)

AXGY D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXGYDALN*; AXGYDALN$DALM*)

REPLY CODE	REPLY (AM39)
ALM	FACE HOLE FOR RIVET
ALN	FACE HOLE FOR ROD-NUT

ALL

AZAR D ACTUATOR LINK CONNECTION TYPE

Definition: INDICATES THE TYPE OF ACTUATOR LINK CONNECTION USED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZARDADH*; AZARDADH$DADK*)

REPLY CODE	REPLY (AJ57)
ADH	FLAT BOTTOM SOCKET
ADJ	PUSH ROD
ADK	SPHERICAL BOTTOM SOCKET

NOTE FOR MRC ABXN: IF REPLY CODE ADH OR ADK IS ENTERED FOR MRC AZAR, REPLY TO MRC ABXN.

ALL* (See Note Above)

ABXN J SOCKET DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS ON THE SOCKET, IN DISTINCTION FROM HEIGHT.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABXNJAA2.000*; ABXNJAB0.170$$JAC0.255*; ABXNJLA50.8*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AGWM J LARGEST OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST DIAMETER OF AN ITEM, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, excluding cup. (e.g., AGWMJAA1.749*; AGWMJAB1.500$$JAC2.000*; AGWMJLA44.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABRY J LENGTH

APP Key	MRC	Mode Code	Requirements

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, excluding actuator link and cup protector. (e.g., ABRYJAA2.406*; ABRYJAB0.500$$JAC1.125*; ABRYJLA50.8*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: M

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME
	Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.		
	Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED18736*)		
ALL			
	MATL	D	MATERIAL
	Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 1. (e.g., MATLDSTA000*; MATLDST0000$$DRC0000*; MATLDST0000$DRC0000*)		
ALL			
	ADBY	L	LINK ROD CONNECTING END STYLE
	Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE LINK ROD CONNECTING END.		
	Reply Instructions: Enter the applicable style designator from Appendix B, Reference Drawing Group B. (e.g., ADBYLB8*)		
ALL			
	ADBZ	L	PISTON SOCKET END STYLE
	Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE PISTON SOCKET END.		
	Reply Instructions: Enter the applicable style designator from Appendix B, Reference Drawing Group C. (e.g., ADBZLC5*)		
ALL			
	ABHP	J	OVERALL LENGTH

APP Key	MRC	Mode Code	Requirements

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA3.203*; ABHPJAB1.770$$JAC2.400*; ABHPJLA75.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: N

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED11359*)

ALL			
	AJXE	A	SIZE DESIGNATOR

Definition: A DESIGNATION INDICATING THE SIZE BY WHICH THE ITEM IS COMMERCIALLY KNOWN AND/OR IDENTIFIED.

Reply Instructions: Enter the size designator.

(e.g., AJXEA1-3/8*)

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 1. (e.g., MATLDRCB000*; MATLDRCB000$$DRCC000*; MATLDRCB000$DRCC000*)

ALL			
	AXGY	D	MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 4. (e.g., AXGYDADQ*; AXGYDADQ$DAHT*)

NOTE FOR MRCS ABTB, ADMT, AAZL, AND AEJM: IF REPLY CODE ADQ IS ENTERED FOR MRC AXGY AND MOUNTING HOLE IS STRAIGHT, REPLY TO MRCS ABTB AND AEJM. IF MOUNTING HOLE IS TAPERED, REPLY TO MRCS ADMT, AAZL, AND AEJM.

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Above)

ABTB J MOUNTING HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTBJAA0.500*; ABTBJAB0.620$$JAC0.995*; ABTBJLA12.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABTB)

ADMT J TAPERED HOLE MAJOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST END OF A TAPERED HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADMTJAA0.547*; ADMTJAB0.250$$JAC0.410*; ADMTJLA12.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL* (See Note Preceding MRC ABTB)

AAZL J TAPERED HOLE MINOR DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SMALLEST END OF A TAPERED HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAZLJAA0.453*; AAZLJAB0.383$$JAC0.700*; AAZLJLA12.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ABTB)

AEJM J THRU-HOLE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE THRU-HOLE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEJMJAA0.250*; AEJMJAB0.225$$JAC0.348*; AEJMJLA6.3*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM

ALL

AZDQ D BASE INSIDE PROJECTION

Definition: AN INDICATION OF WHETHER OR NOT A PROJECTION INSIDE OF BASE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZDQDB*; AZDQDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC AHQF: IF REPLY CODE B IS ENTERED FOR MRC AZDQ, REPLY TO MRC AHQF.

ALL* (See Note Above)

AHQF J PROJECTION LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A PROJECTION, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AHQFJAA0.250*; AHQFJAB0.125$$JAC0.375*; AHQFJLA6.3*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements
ALL			
	AZDR	D	FEATHER LIP FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A FEATHER LIP FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZDRDB*; AZDRDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC ADVR: IF REPLY CODE B IS ENTERED FOR MRC AZDR, REPLY TO MRC ADVR.

ALL* (See Note Above)			
	ADVR	B	ANGLE IN DEG

Definition: THE ANGLE FORMED BY THE ANGULAR PORTION OF THE ITEM, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., ADVRB65.0*)

ALL			
	AZAP	D	CUP PROTECTOR

Definition: AN INDICATION OF WHETHER OR NOT A CUP PROTECTOR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZAPDB*; AZAPDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL			
	AZDS	D	OUTER PERIPHERY BASE GROOVE

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF WHETHER OR NOT AN OUTER PERIPHERY BASE GROOVE(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZDSDB*; AZDSDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

AGWM J LARGEST OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGEST DIAMETER OF AN ITEM, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGWMJAA1.572*; AGWMJAB1.000$$JAC1.500*; AGWMJLA38.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AGQD J BASE OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BASE, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGQDJAA1.098*; AGQDJAB0.930$$JAC1.125*; AGQDJLA25.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AZDT J SEALING LIP LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF A SEALING LIP, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZDTJAA0.156*; AZDTJAB0.150$$JAC1.000*; AZDTJLA3.9*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA0.219*; ABHPJAB0.275$$JAC0.342*; ABHPJLA6.3*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ACYB J BASE THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF A BASE, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYBJAA0.063*; ACYBJAB0.156$$JAC1.000*; ACYBJLA1.6*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: P

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED10121*)

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDSTA000*; MATLDST0000$$DRC0000*; MATLDST0000$DRC0000*)

ALL			
	APCS	D	ADJUSTABILITY

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS ADJUSTABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APCSDC*; APCSDA$DC*)

REPLY CODE	REPLY (AB00)
A	ADJUSTABLE
C	NONADJUSTABLE

ALL			
	AZDX	D	SHOE CONNECTION END TYPE

Definition: INDICATES THE TYPE OF SHOE CONNECTION END USED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZDXDCZ*; AZDXDCZ$DDA*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AB76)
CZ	CLEVIS
DA	ROUNDED
DB	SLOTTED HEAD
DC	SLOTTED PIN

NOTE FOR MRCS APTD, ABVV, ACXU, AJSD, AKYX, ABPZ, ABGC, AND AAZT: IF REPLY CODE CZ IS ENTERED FOR MRC AZDX, REPLY TO MRCS APTD, ABVV, ACXU, AJSD, AND AKYX AS REQUIRED. IF REPLY CODE DA IS ENTERED FOR MRC AZDX, REPLY TO MRC ABPZ. IF REPLY CODE DB OR DC IS ENTERED FOR MRC AZDX, REPLY TO MRCS ABGC AND AAZT.

ALL* (See Note Above)

APTD D END TYPE

Definition: INDICATES THE TYPE OF END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APTDDAAX*; APTDDAAX$DAAT*)

REPLY CODE	REPLY (AK84)
AAX	PIN
AAY	PIN HOLE
AAT	PLAIN

ALL* (See Note Preceding MRC APTD)

ABVV J PIN DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A PIN, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABVVJAA0.375*; ABVVJAB0.368$$JAC0.623*; ABVVJLA9.5*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC APTD)

ACXU J PINHOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A PINHOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACXUJAA0.375*; ACXUJAB0.500$$JAC1.000*; ACXUJLA9.5*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC APTD)

AJSD J FORK SPAN WIDTH

Definition: THE DISTANCE LATERALLY FROM TIP TO TIP OF THE FORK.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJSDJAA0.438*; AJSDJAB0.200$$JAC0.300*; AJSDJLA12.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC APTD)

AKYX J FORK DEPTH

Definition: THE MEASUREMENT BETWEEN SPECIFIED POINTS OF THE FORK, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. The depth of fork with pin or pin holes is the dimension from center of pin or pin holes. (e.g., AKYXJAA0.750*; AKYXJAB0.500$$JAC1.000*; AKYXJLA25.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC APTD)

ABPZ J END RADIUS

Definition: A MEASUREMENT OF A STRAIGHT LINE EXTENDING FROM THE CENTER OF A CIRCLE TO THE END.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABPZJAA0.378*; ABPZJAB0.200$$JAC1.000*; ABPZJLA9.5*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC APTD)

ABGC J SLOT WIDTH

Definition: THE DISTANCE, MEASURED ALONG A STRAIGHT LINE PERPENDICULAR TO THE LONGITUDINAL AXIS OF THE SLOT, FROM ONE EDGE TO THE OTHER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGCJAA0.125*; ABGCJAB0.250$$JAC0.531*; ABGCJLA3.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC APTD)

AAZT J SLOT DEPTH

Definition: THE MEASUREMENT BETWEEN SPECIFIED POINTS OF THE SLOT IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAZTJAA0.125*; AAZTJAB0.094$$JAC0.125*; AAZTJLA3.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES

APP Key	MRC	Mode Code	Requirements
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AZEB D PISTON END SHANK TYPE

Definition: INDICATES THE TYPE OF PISTON END SHANK.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZEBDAHL*; AZEBDAHL$DADP*)

REPLY CODE	REPLY (AK54)
AHL	PLAIN
ADP	THREADED

NOTE FOR MRCS ADCS, ABVK, AJYP, AAJF, AND AASA: IF REPLY CODE AHL IS ENTERED FOR MRC AZEB, REPLY TO MRC ADCS. IF REPLY CODE ADP IS ENTERED FOR MRC AZEB, REPLY TO MRCS ABVK, AJYP, AAJF, AND AASA.

ALL* (See Note Above)

ADCS J PLAIN SHANK DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SHANK, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADCSJAA0.438*; ADCSJAB0.368$$JAC0.625*; ADCSJLA12.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ADCS)

ABVK A THREAD SIZE DESIGNATOR

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the applicable thread diameter in decimal form with a minimum of one digit preceding the decimal, followed by a dash and the number of threads per specific measurement scale.

(e.g., ABVKA0.250-18*)

ALL* (See Note Preceding MRC ADCS)

AJYP D SCREW THREAD SERIES DESIGNATOR

Definition: A DESIGNATION DISTINGUISHING ONE GROUP OF SCREW THREAD DIAMETER-PITCH COMBINATIONS FROM ANOTHER BY THE NUMBER OF THREADS PER MEASUREMENT SCALE FOR A SPECIFIC DIAMETER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJYPDNC*; AJYPDNE$DNF*)

REPLY CODE	REPLY (AH06)
NC	UNC
NE	UNEF
NF	UNF

ALL* (See Note Preceding MRC ADCS)

AAJF D THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDL*; AAJFDL$DR*)

REPLY CODE	REPLY (AA38)
L	LEFT-HAND
R	RIGHT-HAND

ALL* (See Note Preceding MRC ADCS)

AASA J THREAD LENGTH

Definition: A MEASUREMENT OF THE EXTENT OF THREADS, INCLUDING INCOMPLETE THREADS, ALONG A LINE PARALLEL TO THE LONGITUDINAL AXIS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AASAJAA1.125*; AASAJAB1.000$$JAC2.000*; AASAJLA25.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. If clevis type with pin or pin holes, give dimension from center of pin or pin holes to piston connection end of shank. (e.g., ABHPJAA1.531*; ABHPJAB1.500$$JAC2.000*; ABHPJLA38.1*)

FIIG T
Section Parts

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: Q

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instuctions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED10865*)

ALL			
	ABMZ	J	DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA9.188*; ABMZJAB5.562$$JAC7.344*; ABMZJLA25.4*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL			
	APCQ	D	STROKE TYPE

Definition: INDICATES THE TYPE OF STROKE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APCQDCY*)

REPLY CODE	REPLY (AH83)

APP Key	MRC	Mode Code	Requirements
		CY	LIMITED
		CZ	NORMAL WORKING RANGE

ALL

AMWL J STROKE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE STROKE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMWLJAA2.250*; AMWLJAB0.750$$JAC1.125*; AMWLJLA50.8*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AZEC J STROKE EFFECTIVE AREA

Definition: A MEASUREMENT OF THE EFFECTIVE AREA OF THE STROKE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZECJAA3.000*; AZECJAB11.000$$JAC18.000*; AZECJBA1935.6*)

Table 1

REPLY CODE	REPLY (AC51)
A	SQUARE INCHES
B	SQUARE MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM
ALL			
	AZED	D	INLET LOCATION

Definition: INDICATES THE LOCATION OF THE INLET ON THE ITEM.

Reply Instruction: Enter the applicable Reply Code from the table below. (e.g., AZEDDAXN*)

REPLY CODE	REPLY (AJ91)
AXN	CENTRAL
AXP	OFF CENTER

NOTE FOR MRC AZEE: IF REPLY CODE AXP IS ENTERED FOR MRC AZED, REPLY TO MRC AZEE.

ALL* (See Note Above			
	AZEE	B	OFF CENTER ANGLE FROM BOTTOM OF VERTICAL CENTERLINE IN DEG

Definition: THE ANGLE OF THE ITEM OFF CENTER FROM BOTTOM OF VERTICAL CENTERLINE, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., AZEEB120.0*)

ALL			
	AZEF	J	LINE CONNECTION THREAD SIZE AND SERIES/TYPE DESIGNATOR

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER MEASUREMENT SCALE OF THE LINE CONNECTION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the thread diameter in decimal form with a minimum of one digit preceding the decimal, followed by a dash and the number of threads per specific measurement scale.

(e.g., AZEFJNP0.250-18*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AH06)
NP	NPT
NT	NPTF

ALL

AAJF D THREAD DIRECTION

Definition: THE DIRECTION OF THE THREAD WHEN VIEWED AXIALLY. A RIGHT-HAND THREAD WINDS IN A CLOCKWISE DIRECTION WHILE A LEFT-HAND THREAD WINDS IN A COUNTERCLOCKWISE DIRECTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJFDL*; AAJFDL$DR*)

REPLY CODE	REPLY (AA38)
L	LEFT-HAND
R	RIGHT-HAND

ALL*

AHGU D PROTECTOR TYPE

Definition: INDICATES THE TYPE OF PROTECTOR PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AHGUDAY*; AHGUDAW$DAX*)

REPLY CODE	REPLY (AF34)
AX	BELLOWS BOOT
AW	CUP BOOT
AY	SCRAPER SEAL

NOTE FOR MRC CXJJ: IF A CLEVIS IS INCLUDED, REPLY TO MRC CXJJ.

ALL*

CXJJ L CLEVIS STYLE

Definition: THE STYLE DESIGNATION INDICATING THE CONFIGURATION THAT MOST NEARLY CORRESPONDS TO THE APPEARANCE OF THE CLEVIS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable style designator from Appendix B, Reference Drawing Group D. (e.g., CXJJLR4*)

ALL

AZEJ D CLEVIS PIN

Definition: AN INDICATION OF WHETHER OR NOT A CLEVIS PIN IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZEJDB*; AZEJDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

AXGY D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 4. (e.g., AXGYDABN*; AXGYDAAC$$DAAD*; AXGYDAAC$DAAD*)

NOTE FOR MRCS AKPV, AWYX, AND ALGC: IF REPLY CODE ABN, AAE, OR ACP IS ENTERED FOR MRC AXGY, REPLY TO MRCS AKPV, AWYX, AND ALGC.

ALL* (See Note Above)

AKPV A MOUNTING FACILITY QUANTITY

Definition: THE NUMBER OF MOUNTING FACILITIES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AKPVA2*; AKPVA2$A4*)

ALL* (See Note Preceding MRC AKPV)

AWYX G MOUNTING FACILITY SIZE

Definition: DESIGNATES THE SIZE OF THE MOUNTING FACILITY.

Reply Instructions: Enter the reply in clear text. (e.g., AWYXG1/4-28 THD SIZE*; AWYXG1/2 IN. DIA*)

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC AKPV)

ALGC G MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALGCGEQUALLY SPACED ON 4.750 IN. DIA BOLT CIRCLE*)

ALL

AZEK J ROD END DISTANCE TO SPECIFIED LOCATION

Definition: THE DISTANCE FROM THE ROD END TO A SPECIFIC LOCATION.

Reply Instructions: Enter the applicable Reply Codes from the tables below, followed by the numeric value. (e.g., AZEKJAAAYE1.625*; AZEKJABABQ4.000$$JACABQ6.000*; AZEKJLAAYE38.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AJ91)
ABQ	BODY
AYE	CLOSEST MOUNTING HOLE

SECTION: R

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED10201*)

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDRCB000*; MATLDRCB000$$DRCC000*; MATLDRCB000$DRCC000*)

NOTE FOR MRC ARQS: IF ITEM IS CONSTRUCTED WITH INSERTS OR THE LIKE, REPLY TO MRC ARQS.

ALL* (See Note Above)			
	ARQS	D	CONSTRUCTION

Definition: THE STRUCTURAL CHARACTERISTIC OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARQSDACD*; ARQSDACD$$DACF*; ARQSDACD$DACE*)

REPLY CODE	REPLY (AL59)
ACD	COTTON PLY
ACE	FABRIC
ACF	FABRIC INSERT
ACG	FIBER GLASS INSERT
ACH	NYLON INSERT
ACJ	RAYON PLY

ALL			
	AZEN	D	DIAPHRAGM TYPE

APP
Key MRC Mode Code Requirements

Definition: INDICATES THE TYPE OF DIAPHRAGM USED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZENDEM*; AZENDEM$DEP*)

REPLY CODE	REPLY (AG25)
EM	BEADED ANGULAR RECESSED
EN	BEADED TAPERED SLEEVE
EP	FLANGED ANGULAR RECESSED

NOTE FOR MRCS ADGA, AZEP, ABKW, ABFY, AND ABPX: IF REPLY CODE EM OR EP IS ENTERED FOR MRC AZEN, REPLY TO MRCS ADGA, ABPX, AND ABKW OR ABFY. IF REPLY CODE EN IS ENTERED FOR MRC AZEN, REPLY TO MRCS ADGA, AZEP, ABPX, AND ABKW OR ABFY.

ALL* (See Note Above)

ADGA J OVERALL OUTSIDE DIAMETER

Definition: THE OVERALL LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF AN ITEM, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADGAJAA8.938*; ADGAJAB5.000$$JAC7.000*; ADGAJLA254.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ADGA)

AZEP J SLEEVE SMALLEST OUTSIDE DIAMETER

APP
Key MRC Mode Code Requirements

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE SLEEVE, AND TERMINATES AT THE SMALLEST OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZEPJAA4.016*; AZEPJAB3.000$$JAC4.000*; AZEPJLA100.3*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ADGA)

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA7.000*; ABKWJAB7.000$$JAC8.000*; ABKWJLA185.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ADGA)

APP Key	MRC	Mode Code	Requirements
	ABFY	J	OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA6.438*; ABFYJAB5.000$$JAC6.000*; ABFYJLA150.8*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ADGA)

	ABPX	J	MATERIAL THICKNESS

Definition: A MEASUREMENT OF THE SMALLEST DIMENSION OF THE MATERIAL, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, excluding flange or bead. (e.g., ABPXJAA0.094*; ABPXJAB0.034$$JAC0.094*; ABPXJLA2.5*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APP Key	MRC	Mode Code	Requirements
	AXGY	D	MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AXGYDADH*; AXGYDADH$DACR*)

REPLY CODE	REPLY (AM39)
ADH	BEAD
ACR	FLANGE

NOTE FOR MRCS ABTJ, ABTB, AND ALXY: IF REPLY CODE ACR IS ENTERED FOR MRC AXGY, REPLY TO MRCS ABTJ, ABTB, AND ALXY.

ALL* (See Note Above)

ABTJ	A	MOUNTING HOLE QUANTITY

Definition: THE NUMBER OF MOUNTING HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ABTJA10*; ABTJA10$A11*)

ALL* (See Note Preceding MRC ABTJ)

ABTB	J	MOUNTING HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A MOUNTING HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTBJAA0.750*; ABTBJAB0.250$$JAC0.750*; ABTBJLA23.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ABTJ)

ALXY G MOUNTING HOLE SPACING

Definition: THE SPACING BETWEEN THE MOUNTING HOLES.

Reply Instructions: Enter the reply in clear text. (e.g., ALXYGEQUALLY SPACED ON 8 IN. BOLT CIRCLE*)

ALL

AASF J NONMETALLIC HARDNESS RATING

Definition: A NUMERIC VALUE THAT REFLECTS THE HARDNESS RATING OF A NONMETALLIC ITEM WHEN USED IN CONJUNCTION WITH A HARDNESS RATING SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AASFJASA30.000*; AASFJASA45.000$$JASA60.000*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AASFKN*)

Table 1

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 2

REPLY CODE	REPLY (AC26)
SA	SHORE DUROMETER A
SD	SHORE DUROMETER D

ALL*

ADZC D ENVIRONMENTAL PROTECTION

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADZCDBB*; ADZCDBB$$DAK*; ADZCDBB$DGT*)

REPLY CODE	REPLY (AA65)
BB	FIRE RESISTANT
GT	MOISTURE RESISTANT
AK	OIL RESISTANT

SECTION: S

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED36146*)

ALL			
	AJXE	A	SIZE DESIGNATOR

Definition: A DESIGNATION INDICATING THE SIZE BY WHICH THE ITEM IS COMMERCIALLY KNOWN AND/OR IDENTIFIED.

Reply Instructions: Enter the size designator.

(e.g., AJXEA1-750*)

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDSTA000*; MATLDST0000$$DRC0000*; MATLDST0000$DRC0000*)

ALL			
	APEA	D	SURFACE CONDITION

Definition: THE CONDITION OF THE ITEM WITH REPSECT TO THE TEXTURE OF THE SURFACE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APEADBBX*; APEADBBX$DAAK*)

REPLY CODE	REPLY (AK39)
BBX	EXTERNALLY GROOVED
AAK	PLAIN

APP
Key MRC Mode Code Requirements

NOTE FOR MRCS ADTS, ABGF, ABGA, AND AZES: IF REPLY CODE BBX IS ENTERED FOR MRC APEA, REPLY TO MRCS ADTS, ABGF, ABGA, AND AZES.

ALL* (See Note Above)

ADTS D CONSTRUCTION TYPE

Definition: INDICATES THE TYPE OF CONSTRUCTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADTSDB*; ADTSDB$DC*)

REPLY CODE	REPLY (AC66)
AAZ	FOUR-PIECE
B	ONE-PIECE
C	TWO-PIECE

ALL* (See Note Preceding MRC ADTS)

ABGF J GROOVE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A GROOVE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGFJAA0.250*; ABGFJAB0.141$$JAC0.383*; ABGFJLA6.3*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ADTS)

APP Key	MRC	Mode Code	Requirements
	ABGA	J	GROOVE DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS OF A GROOVE, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGAJAA0.125*; ABGAJAB0.104$$JAC0.225*; ABGAJLA3.175*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ADTS)

	AZES	D	PISTON CUP

Definition: AN INDICATION OF WHETHER OR NOT A PISTON CUP IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZESDB*; AZESDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

	AZET	D	SHOE ACTUATING END TYPE

Definition: INDICATES THE TYPE OF SHOE ACTUATING END USED ON THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZETDAAZ*; AZETDAAZ$DABA*)

REPLY CODE	REPLY (AK84)
AAZ	FLAT BOTTOM
ABA	RECESSED FOR STEEL INSERT
ABB	SLOTTED
ABC	SOCKET

NOTE FOR MRCS AZEW, SHPE, AZEX, AND ABGC: IF REPLY CODE AAZ IS ENTERED FOR MRC AZET, REPLY TO MRCS AZEW AND AZEX. IF REPLY CODE ABB IS ENTERED FOR MRC AZET, REPLY TO MRCS ABGC, SHPE, AND AZEX, AS REQUIRED. IF REPLY CODE ABC IS ENTERED FOR MRC AZET, REPLY TO MRC SHPE AND AZEX AS REQUIRED.

ALL* (See Note Above)

AZEW J CLOSED END DISTANCE TO RAISED SEAT WEAR SURFACE

Definition: THE CLOSED END DISTANCE TO THE RAISED SEAT WEAR SURFACE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZEWJAA0.564*; AZEWJAB0.212$$JAC1.000*; AZEWJLA12.7*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AZEW)

SHPE D SHAPE

APP Key	MRC	Mode Code	Requirements

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SHPEDPT*; SHPEDBS$DPT*)

REPLY CODE	REPLY (AD07)
BS	CONE
PT	INVERTED CONE
BT	OVAL
MG	RIB
DL	SPHERICAL

ALL* (See Note Preceding MRC AZEW)

AZEX D STEEL INSERT

Definition: AN INDICATION OF WHETHER OR NOT A STEEL INSERT IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AZEXDB*; AZEXDB$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL* (See Note Preceding MRC AZEW)

ABGC J SLOT WIDTH

Definition: THE DISTANCE, MEASURED ALONG A STRAIGHT LINE PERPENDICULAR TO THE LONGITUDINAL AXIS OF THE SLOT, FROM ONE EDGE TO THE OTHER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGCJAA0.125*; ABGCJAB0.208$$JAC0.325*; ABGCJLA3.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABKV J OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, excluding cup. (e.g., ABKVJAA1.749*; ABKVJAB1.303$$JAC1.749*; ABKVJLA50.8*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value, excluding shoe actuator. (e.g., ABRYJAA1.125*; ABRYJAB0.109$$JAC1.300*; ABRYJLA30.1*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: SC1

APP Key	MRC	Mode Code	Requirements
ALL*			
	FEAT	G	SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*			
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

APP Key	MRC	Mode Code	Requirements
		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
			Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
			Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)
			Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.
NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.			
ALL* (See Note Above)			

APP Key	MRC	Mode Code	Requirements
	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL*

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

ALL*

	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)

APP Key	MRC	Mode Code	Requirements
		A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

NOTE FOR MRC ENAC: ANSWERING THIS MRC WILL GENERATE AN ENAC CODE IN THE ITEM IDENTIFICATION SEGMENT (A) OF THE NSN.

ALL* (See Note Above)

ENAC D ENVIRONMENTAL ATTRIBUTE CODE

Definition: INDICATES THE TYPE OF PRODUCT THAT MEETS OR EXCEEDS THE GOVERNMENT GUIDELINES FOR ENVIRONMENTALLY PREFERRED CHARACTERISTICS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ENACDG4*)

REPLY CODE	REPLY (EN02)
G4	COMPREHENSIVE PROCUREMENT GUIDELINE — VEHICULAR PRODUCTS — REBUILT VEHICULAR PARTS

SECTION: SC3

APP Key	MRC	Mode Code	Requirements
ALL			
	AFJK	J	CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJF10.25*; AFJKJE0.29*)

REPLY CODE	REPLY (AD42)
F	CUBIC FEET
E	CUBIC METERS

ALL

SUPP	G	SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION

Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code, followed by a dash and the identifying number of the document.

(e.g., ZZZPJ81337-30624A*)

ALL

AGAV	G	END ITEM IDENTIFICATION

APP Key	MRC	Mode Code	Requirements

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

ALL

ZZZV G FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGBEARINGS, ANTIFRICTION, UNMOUNTED*)

ALL

CXCY G PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

ALL

HZRD D HAZARDOUS SUBSTANCES

Definition: THE SUBSTANCES AND/OR MATERIALS CONTAINED IN THE ITEM THAT HAVE BEEN IDENTIFIED AS HAZARDOUS OR ENVIRONMENTALLY DAMAGING BY THE ENVIRONMENTAL PROTECTION AGENCY OR OTHER AUTHORIZED GOVERNMENT AGENCY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., HZRDDHAZ042*; HZRDDHAZ042$$DHAZ222*)

REPLY CODE	REPLY (HZ00)
HAZ042	ASBESTOS

APP Key	MRC	Mode Code	Requirements
		HAZ222	IRON
		HAZ030	MAGNESIUM ALLOY

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Reply Tables

Table 1 - MATERIALS

MATERIALS

REPLY CODE	REPLY (AD09)
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
AL0115	ALUMINUM ALLOY, QQ-A-200/3
AL0120	ALUMINUM ALLOY, QQ-A-200/8
AL0132	ALUMINUM ALLOY, QQ-A-225/8
AL1700	ALUMINUM ALLOY, QQ-A-367, COMP 5
AL0694	ALUMINUM ALLOY, 2024, T4
ALS000	ALUMINUM, SINTERED
A	ANY ACCEPTABLE (do not use for MRC ANNQ)
AAAAAA	ANY ACCEPTABLE (use for MRC ANNQ)
AS0000	ASBESTOS
ASJ000	ASBESTOS COMPOSITION
AST000	ASBESTOS COMPOUND
ASK000	ASBESTOS-METALLIC COMPOSITION
BR0000	BRASS
BRE000	BRASS, SINTERED
BN0000	BRONZE
BNJ000	BRONZE, CAST
BNE000	BRONZE, SINTERED
CUY000	COPPER, SINTERED
CQA000	CORK
	Cork and Natural Rubber (use Reply Codes CQA000 and RCB000)
CQL000	CORK-CELLULOSE-RUBBER
	Cork-Rubber (use Reply Code RCAAL0)
CCAR00	COTTON BASE PHENOLIC
FAAK00	FABRIC, COTTON BASE
FB0000	FIBER
FE0000	IRON
FEX000	IRON ALLOY
FEA000	IRON, CAST
FEY000	IRON, GRAY
FE0174	IRON, K-3114, KWIKSET POWDER METAL PRODUCTS
FEC000	IRON, MALLEABLE
FE0042	IRON, MALLEABLE, QQ-I-666, GRADE 2
FED000	IRON, POWDERED
FE0089	IRON, QQ-I-652, CLASS 30
FEG000	IRON, SINTERED
LR0000	LEATHER
MGA000	MAGNESIUM ALLOY
MEAB00	METAL, MEEHANITE, GRADE C
ZZR000	MULTIMATERIAL
	Neoprene Rubber (use Reply Code RCH000)

REPLY CODE	REPLY (AD09)
	Neoprene (use Reply Code RCH000)
RC0000	RUBBER
RCAAL0	RUBBER AND CORK COMPOSITION
RCL000	RUBBER, BUNA-N
RCH000	RUBBER, CHLOROPRENE (Neoprene)
RCB000	RUBBER, NATURAL
RC2728	RUBBER, NATURAL, ES0796, THE BENDIX CORP, BRAKE AND STEERING DIV
RC2745	RUBBER, NATURAL, SAE EN230
RC2736	RUBBER, NATURAL, SAE L-715
RC2734	RUBBER, NATURAL, SAE RN625
RC2744	RUBBER, NATURAL, SAE RN730
RC2733	RUBBER, NATURAL, SAE R60
RC2730	RUBBER, NATURAL, SAE 1
RC2729	RUBBER, NATURAL, SAE 6
RC2735	RUBBER, NATURAL, SAE 6 OR Z
RCC000	RUBBER, SYNTHETIC
RC0897	RUBBER, SYNTHETIC, AMS 3200
RC2731	RUBBER, SYNTHETIC, AMS 3200, TYPE 60
RC2743	RUBBER, SYNTHETIC, ES0216, BENDIX PRODUCTS DIV, BENDIX AVIATION CORP
RC2732	RUBBER, SYNTHETIC, ES0525, BENDIX PRODUCTS DIV, BENDIX AVIATION CORP
RC2737	RUBBER, SYNTHETIC, L-518, WAGNER ELECTRIC CORP
RC2739	RUBBER, SYNTHETIC, L-789, WAGNER ELECTRIC CORP, WAGNER DIV
RC2738	RUBBER, SYNTHETIC, L-898, WAGNER ELECTRIC CORP, WAGNER DIV
RC2727	RUBBER, SYNTHETIC, MIL-C-14055
RC2726	RUBBER, SYNTHETIC, MIL-STD-417, GRADE RS720ABF2
RC2742	RUBBER, SYNTHETIC, M2341, MILLER RUBBER CO
RC2740	RUBBER, SYNTHETIC, M2347, MILLER RUBBER CO
RC2741	RUBBER, SYNTHETIC, SAE R712BF1Z
RC2746	RUBBER, SYNTHETIC, 59-0695, THE BENDIX CORP, HYDRAULICS DIV
STAAB0	SEMI-STEEL
SLA000	SILICONE
	Steel, Pressed (use Reply Code ST0000)
ST0000	STEEL
ST6335	STEEL, AISI 1010
ST6348	STEEL, AISI 1020
ST6000	STEEL, AISI 4130
ST1806	STEEL, AMS 5516
ST8953	STEEL, ASTM A7-Canceled
STA368	STEEL, B-107-1, NORTH AMERICAN ROCKWELL CORP, TRANSMISSION AND AXLE DIV
STL000	STEEL, CAST
STB000	STEEL, CORROSION RESISTING
STA356	STEEL, FED STD 66, AISI C1010
ST9643	STEEL, FED STD 66, AISI C1024

REPLY CODE	REPLY (AD09)
ST9498	STEEL, FED STD 66, AISI 1020
STA358	STEEL, FED STD 66, AISI 1035
ST0621	STEEL, FED STD 66, AISI 4130
STA357	STEEL, FED STD 66, AISI 8620
ST6145	STEEL, FED STD 66, COMP 1141
STAD00	STEEL, FORGED
STA369	STEEL, MIL-S-13048, FS1040-Canceled
STA367	STEEL, MIL-S-13048, WD 1045-Canceled
ST9585	STEEL, QQ-S-624, COMP FS3135-Canceled
ST1511	STEEL, QQ-S-624, COMP 8620-Canceled
STA365	STEEL, QQ-S-624, FS1035-Canceled
STA366	STEEL, QQ-S-624, FS1040-Canceled
ST2407	STEEL, QQ-S-630, COMP 1008-Canceled
ST3134	STEEL, QQ-S-633, COMP C1035-Canceled
ST3135	STEEL, QQ-S-633, COMP C1040-Canceled
ST8153	STEEL, QQ-S-633, COMP FS1015-Canceled
ST8155	STEEL, QQ-S-633, COMP FS1035-Canceled
ST9521	STEEL, QQ-S-633, COMP FS1045-Canceled
STA364	STEEL, QQ-S-633, FSC1040-Canceled
ST3410	STEEL, QQ-S-633, FS1085-Canceled
ST2408	STEEL, QQ-S-634, COMP 1008-Canceled
ST8616	STEEL, QQ-S-635, COMP FS1020
ST1554	STEEL, QQ-S-637, COMP 1109
ST8625	STEEL, QQ-S-00640, COMP FS1009-Canceled
STA360	STEEL, QQ-S-698, COLD ROLLED
ST6934	STEEL, QQ-S-698, CRCQ
STA359	STEEL, QQ-S-698, HOT ROLLED
STA362	STEEL, QQ-S-698, HOT ROLLED, OILED
STA361	STEEL, QQ-S-698, HOT ROLLED, PICKLED
ST6935	STEEL, QQ-S-698, HRCQ
STA363	STEEL, QQ-S-760, TYPE 303S, COND A-Canceled
ST6557	STEEL, SAE 1008
ST6558	STEEL, SAE 1009
ST6559	STEEL, SAE 1010
ST6015	STEEL, SAE 1020
ST5096	STEEL, SAE 1024
ST6573	STEEL, SAE 1035
ST6017	STEEL, SAE 1040
ST6018	STEEL, SAE 1045
ST6641	STEEL, SAE 4130
ST6709	STEEL, SAE 8620
ST5098	STEEL, SAE 30302
	Steel, Stainless (use Reply Code STB000)
TT0000	TITANIUM ALLOY

Table 2 - SURFACE TREATMENTS
SURFACE TREATMENTS

REPLY CODE	REPLY (AD09)
AZ0000	ALUMINIZED
AN0000	ANODIZED
A	ANY ACCEPTABLE
KDG000	CHROMIC ACID ANODIC COATED
EN0000	ENAMEL
LQ0000	LACQUER
LQR000	LACQUER PRIMER, BLACK
PN0000	PAINTED
PHH000	PHOSPHATE COATED
ZNA000	ZINC CHROMATE

Table 3 - INCLOSURE TYPES
INCLOSURE TYPES

REPLY CODE	REPLY (AJ95)
A	ANY ACCEPTABLE
AAD	DRIPPROOF
ABJ	DUST TIGHT
AAE	DUSTPROOF
AAH	EXPLOSION PROOF
AAK	HERMETICALLY SEALED
AAP	OPEN
ACJ	SPLASH PROOF
AAT	SPRAY TIGHT
ACN	TOTALLY INCLOSED
AAX	WATERTIGHT

Table 4 - MOUNTING METHODS
MOUNTING METHODS

REPLY CODE	REPLY (AM39)
ADM	BEARING PLAIN ROD END
AAC	BOLT
ADN	BOSS
ABC	BRACKET
ABD	BUSHING
ADP	BUTTON
ADQ	CENTER HOLE
ADR	CLEVIS
ADS	CLEVIS LUG
ACR	FLANGE
ADT	FLAT BASE
ADW	FLAT FACE

REPLY CODE	REPLY (AM39)
ADX	FLAT FACE W/STUDS
ADY	FLAT SOLID BASE
ACP	HOLE
ABN	LUG
AAD	PIN
BPE	PUSH ROD TUBE
AHT	RING
ADZ	ROD W/BOLT
AAE	STUD

Table 5 - LOCKING DEVICE TYPES

LOCKING DEVICE TYPES

REPLY CODE	REPLY (AE36)
BZ	EXTERNAL SPRING CLIP
CA	INTERNAL SPRING LOADED
CB	INTERNAL WORM SPRING
CC	LOCK SLEEVE
CD	PLUNGER INDENTED
CE	SPRING LOADED ADJUSTMENT SHAFT
CF	SPRING LOADED BALL
CG	SPRING LOADED COLLAR
CH	SPRING LOADED NUT
BH	SPRING LOADED PLUNGER
BJ	SPRING LOADED SLEEVE
BK	SPRING SHAFT
BM	WORK LOCK SPRING
BL	WORM LOCK NUT
BN	WORM SHAFT

Table 6 - NONDEFINITIVE SPEC/STD DATA

NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS

REPLY CODE	REPLY (AD08)
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
ML	MATERIAL
MH	MESH
ME	METHOD
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE

REPLY CODE	REPLY (AD08)
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Reference Drawing Groups

REFERENCE DRAWING GROUP A Tables
BRAKE SHOE WEAR PLATE STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.500*; ABHPJAB1.000$$JAC1.500*; ABHPJLA38.1*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

MRC	Mode Code	Name of Dimension
AAUB	J	HOLE DIAMETER
ABGC	J	SLOT WIDTH
ABHP	J	OVERALL LENGTH
ABMK	J	OVERALL WIDTH
ABRF	J	CENTER TO CENTER DISTANCE BETWEEN HOLES
ADBD	J	COUNTERSINK DEPTH
ADUM	J	OVERALL THICKNESS
AHHE	J	TONGUE WIDTH
AHHF	J	TONGUE THICKNESS
AXFK	J	TONGUE LENGTH
AYSH	J	DISTANCE FROM EDGE OF PLATE TO TONGUE
AYSL	J	TOP CHAMFER LENGTH
AYSM	J	BOTTOM CHAMFER LENGTH
AYSP	J	DISTANCE FROM CENTER OF HOLE TO EDGE OF PLATE

Enter the numeric value. (e.g., AYSJB1.5*)

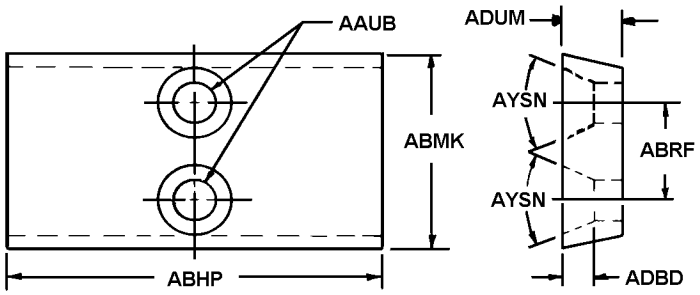
MRC	Mode Code	Name of Dimension
AYSJ	B	TOP CHAMFER ANGLE IN DEG
AYSK	B	BOTTOM CHAMFER ANGLE IN DEG

MRC	Mode Code	Name of Dimension
AYSN	B	COUNTERSINK DEG

REFERENCE DRAWING GROUP A

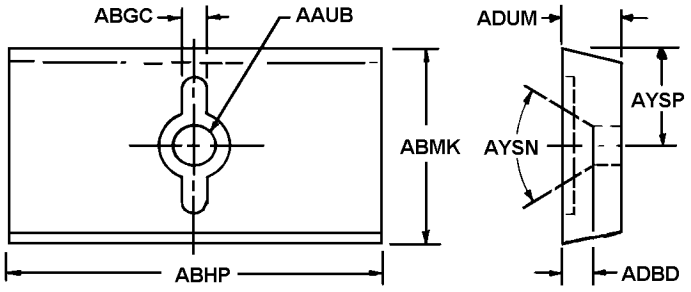
BRAKE SHOE WEAR PLATE STYLES

1



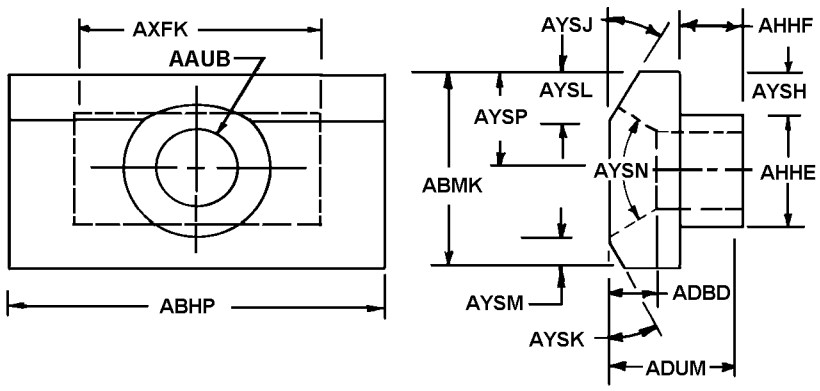
WEDGE, TWO HOLES

2



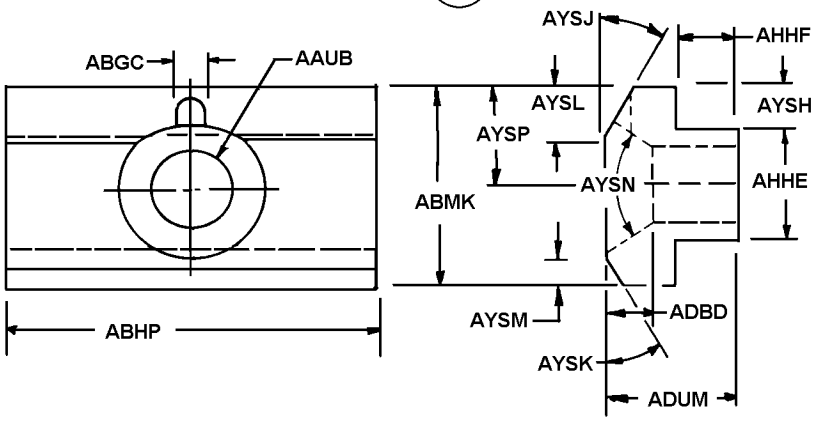
WEDGE, ONE HOLE W/SLOT

3



TOP CHAMFER, ONE HOLE AND TONGUE

4



TOP CHAMFER, ONE HOLE W/SLOT AND TONGUE

REFERENCE DRAWING GROUP B Tables
LINK ROD CONNECTING END STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA1.094*; ABRYJAB1.000$$JAC1.500*; ABRYJLA25.4*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

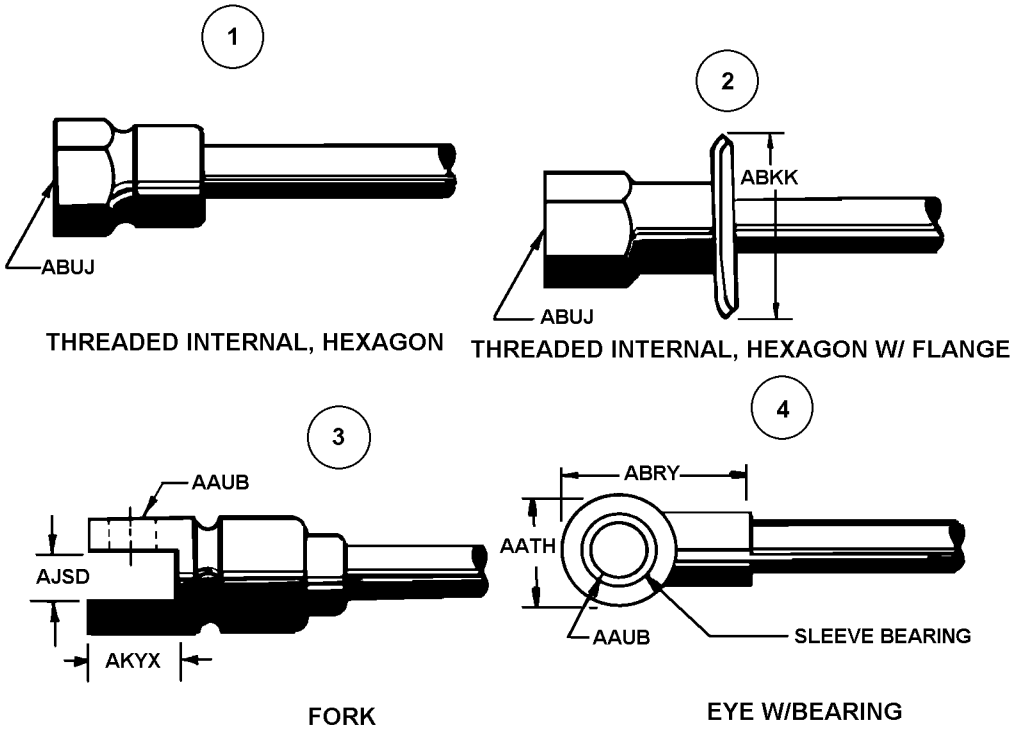
MRC	Mode Code	Name of Dimension
AATH	J	EYE BREADTH
AAUB	J	HOLE DIAMETER
ABKK	J	FLANGE DIAMETER
ABRY	J	LENGTH
AHHE	J	TONGUE WIDTH
AJSD	J	FORK SPAN WIDTH
AKYX	J	FORK DEPTH

Enter the size.

MRC	Mode Code	Name of Dimension
ABUJ	A	THREAD SIZE

REFERENCE DRAWING GROUP B

LINK ROD CONNECTING END STYLES



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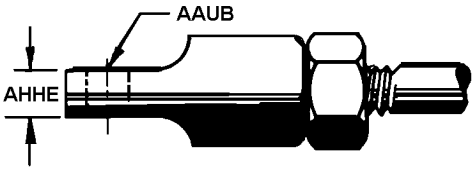
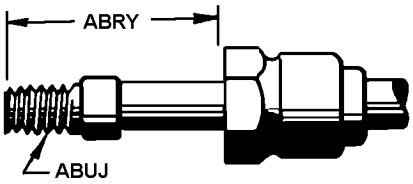


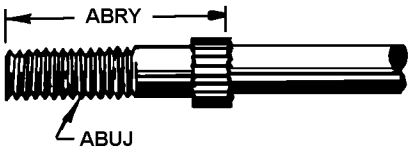
TONGUE

6



THREADED EXTERNAL, HEXAGON

7



THREADED EXTERNAL, KNURL

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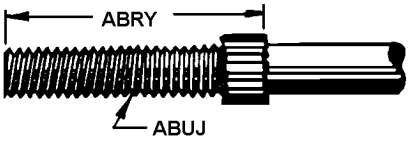


FULL EXTERNAL THREAD, KNURL

REFERENCE DRAWING GROUP C Tables
PISTON SOCKET END STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AZBJJAA1.125*; AZBJJAB1.000$$JAC1.125*; AZBJJLA25.4*)

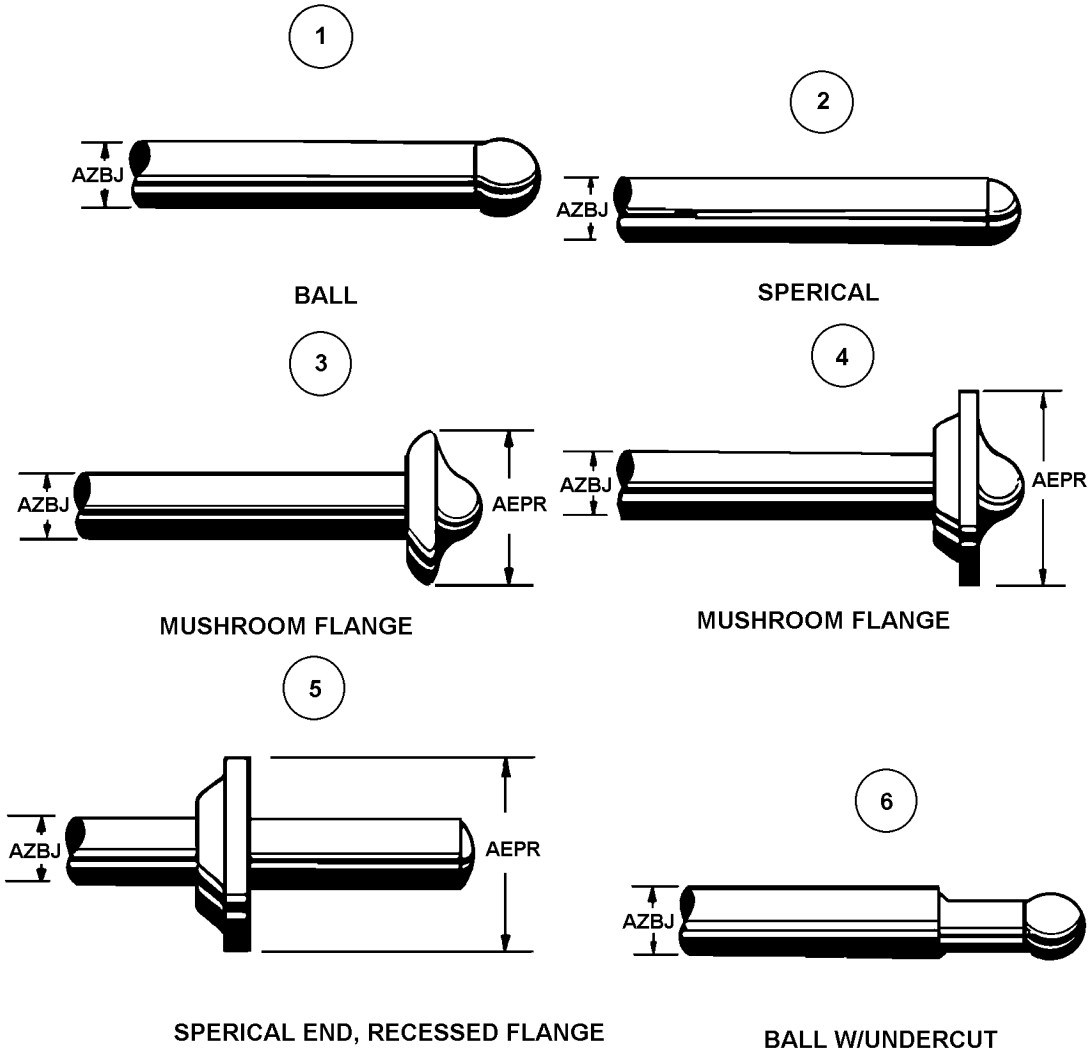
REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

MRC	Mode Code	Name of Dimension
AEPR	J	FLANGE OUTSIDE DIAMETER
AZBJ	J	ROD DIAMETER

REFERENCE DRAWING GROUP C

PISTON SOCKET END STYLES



REFERENCE DRAWING GROUP D Tables
CLEVIS STYLES

INDEX OF MASTER REQUIREMENT CODES

Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJAB1.000$$JAC1.500*; ABMKJLA25.4*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

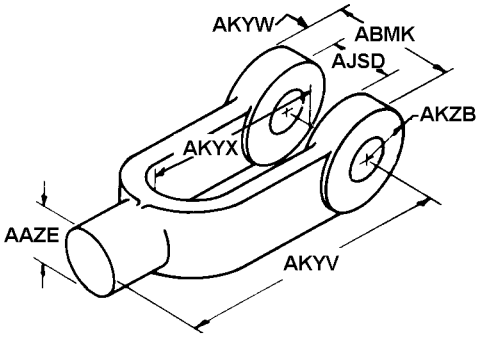
MRC	Mode Code	Name of Dimension
AATR	J	SHANK LENGTH
AAZE	J	SHANK DIAMETER
ABKW	J	OVERALL HEIGHT
ABMK	J	OVERALL WIDTH
ADWJ	J	ANGLE HEIGHT
AHXB	J	DISTANCE FROM CENTER OF FIRST HOLE TO CENTER OF SECOND HOLE
AJSD	J	FORK SPAN WIDTH
AKYV	J	DISTANCE FROM PIVOT PINHOLE CENTER TO ROD CONNECTION END
AKYW	J	FORK ARM THICKNESS
AKYX	J	FORK DEPTH
AKYY	J	SHANK SHOULDER DIAMETER
AKYZ	J	SHANK SHOULDER LENGTH
AKZA	J	DISTANCE FROM FORK CENTERLINE TO ROD CONNECTION HOLE CENTERLINE
AKZB	J	DISTANCE FROM PIVOT PINHOLE CENTER TO FORK END
AZEH	J	DISTANCE BETWEEN SECOND AND THIRD HOLE

Enter the numeric value. (e.g., ADVRB1.5*)

MRC	Mode Code	Name of Dimension
ADVR	B	ANGLE IN DEG

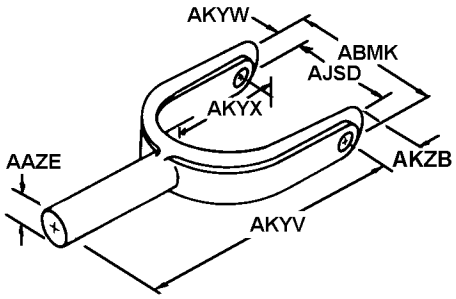
CLEVIS STYLES

1



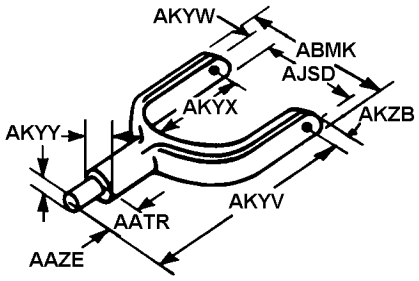
PLAIN SHANK, RAISED FACE EYE HOLES FORK END

2



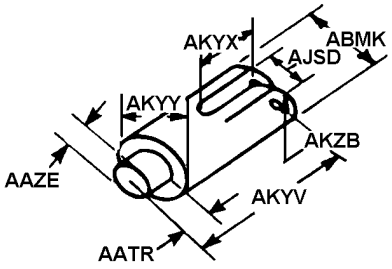
PLAIN SHANK, PLAIN FORK

3



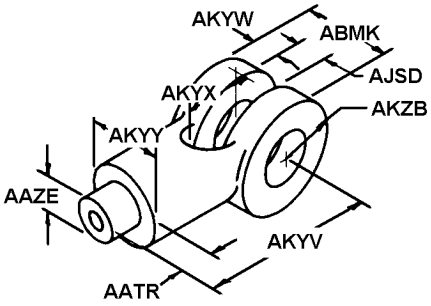
SHOULDERED SHANK, PLAIN FORK

4



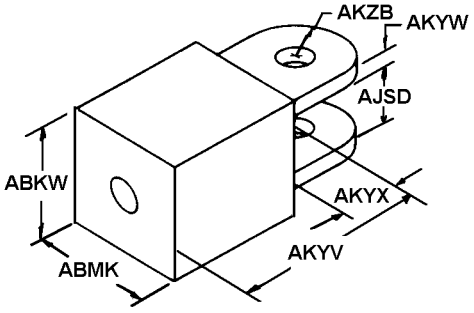
PLAIN SHANK, ROUND BLOCK FOR END

5



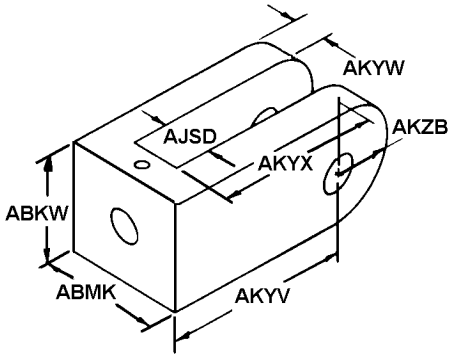
SHOULDERED, HOLLOW SHANK, RAISED FACE EYE HOLES FORK END

6



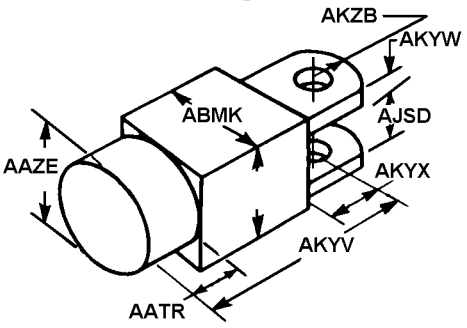
BLOCK TYPE W/ ROD MOUNTING HOLE, RECESSED FORK

7



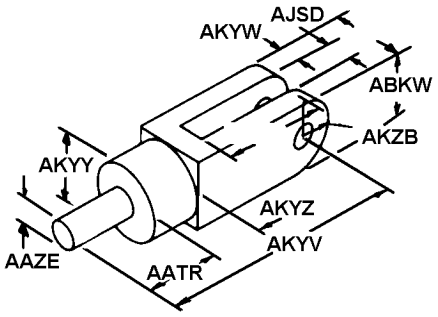
BLOCK TYPE W/ ROD MOUNTING HOLE, STRAIGHT FORK

8



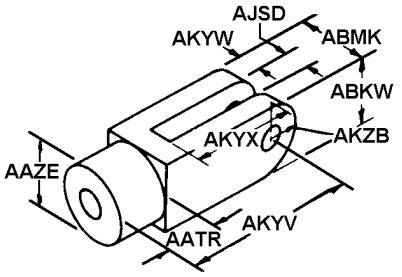
BLOCK TYPE, PLAIN SHANK, RECESSED FORK

9



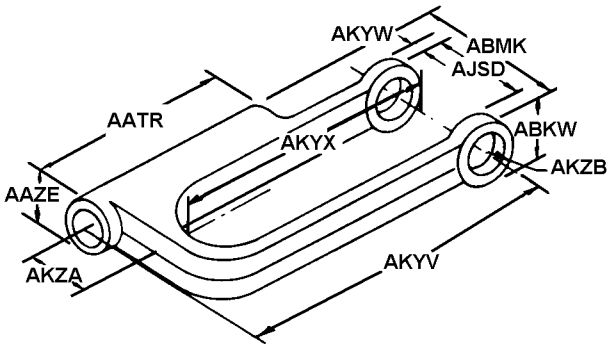
BLOCK TYPE, SHOULDERED SHANK, STRAIGHT FORK

10



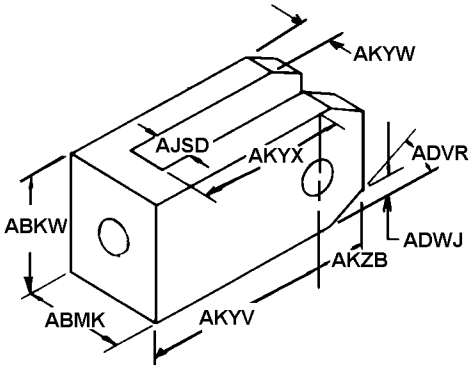
BLOCK TYPE, PLAIN SHANK W/ ROD MOUNTING HOLE, STRAIGHT FORK

11



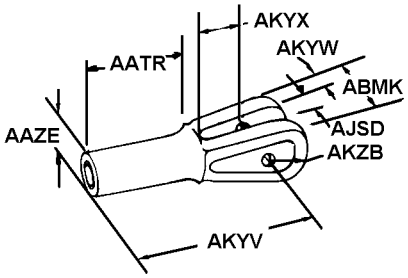
OFFSET FORK, ROD MOUNTING HOLE

12



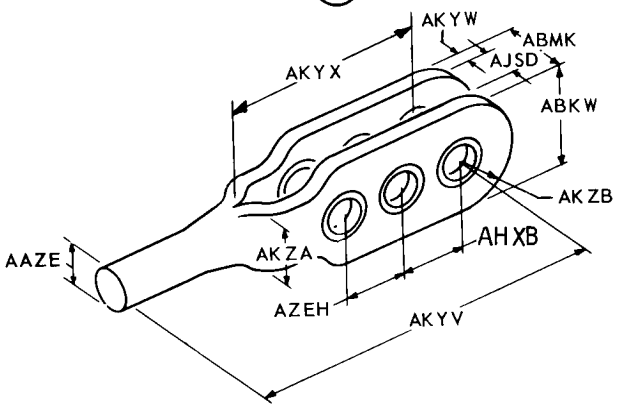
BLOCK TYPE W/ ROD MOUNTING HOLE, STRAIGHT FORK

13



PLAIN SHANK, FLARED FORK

14



PLAIN SHANK, THREE HOLE FORK

Technical Data Tables

No table of contents entries found.

FIIG Change List

FIIG Change List, Effective August 6, 2010

This change replaced with ISAC or and/or coding.